

March 10 – 14, 2014  
Las Vegas, NV  
Planet Hollywood  
Resort & Casino



**LIVE!**

Visual Studio

**LIVE!**

SQL Server

**LIVE!**

SharePoint

**LIVE!**


Web Dev

**LIVE!**


Modern Apps



# COMPREHENSIVE TRAINING FOR THE DEVELOPER WORLD

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## CONTENTS

- 3 What is Live! 360 DEV?
- 4 Why Attend Live! 360 DEV?
- 6 Events & Activities
- 7 Live! 360 DEV Agenda
- 8 Visual Studio Live! Agenda
- 10 Visual Studio Live! Workshops
- 11 Visual Studio Live!  
Session Descriptions by Track
- 21 WebDev Live! Agenda
- 23 Web Dev Live! Workshops
- 24 Web Dev Live! TrackDescriptions
- 31 Modern Apps Live! Agenda
- 32 Modern Apps Live! Workshops
- 33 Modern Apps Live!  
Session Descriptions by Track
- 36 SharePoint Live! Agenda
- 37 SharePoint Live! Workshops
- 38 SharePoint Live!  
Session Descriptions by Track
- 40 SQL Server Live! Agenda
- 41 SQL Server Live! Workshops
- 42 SQL Server Live!  
Session Descriptions by Track
- 45 Speaker Bios
- 50 Live! 360 DEV Sponsors and Exhibitors
- 51 Venue Information
- 52 Registration Packages



## LIVE! 360 DEV ADVISORY BOARD



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Live! 360 DEV Conference  
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*Founder & CEO,  
Blue Badge Insights*



**Rockford Lhotka**  
Live! 360 DEV Conference  
Co-Chair  
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*Editor, MSDN*



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**Lafe Low**  
*Editor, Tech Flash*



**Jeff Schwartz**  
*Editor, Redmond Magazine*

## WHAT IS LIVE! 360DEV?

The Developer World is always changing; new technologies emerge, current ones evolve and demands on your time grow. Live! 360 DEV offers comprehensive training through five (5) co-located events on the most relevant and leading edge technologies in your world today. You'll learn from pre-eminent experts in the industry, network with like-minded peers, and return home with the knowledge and solutions you need to tackle your biggest development challenges.

Attendees of any of the Live! events will have unlimited access to all five – mix and match sessions to create a custom conference!

### May The Code Be With You

Much like outer space, the .NET development platform is ever-changing and constantly evolving. Visual Studio Live! exists to help guide you through this universe, featuring code-filled days, networking nights and independent education. Whether you are a .NET developer, software architect or a designer, Visual Studio Live!'s multi-track events include focused, cutting-edge education on the .NET platform that you'll be ready to implement as soon as you get back to the office. [vslive.com/lasvegas](http://vslive.com/lasvegas)

### The Final Frontier of Software Development

Presented in partnership with Magenic, Modern Apps Live! brings Development Managers, Software Architects and Development Leads together to break down the latest and greatest techniques in low-cost, high-value application development. What sets Modern Apps Live! apart is the singular topic focus; sessions build on each other as the conference progresses, leaving you with a holistic understanding of modern applications. [modernappslive.com/lasvegas](http://modernappslive.com/lasvegas)



Visual Studio



Modern Apps



SQL Server

### Your Mission: Conquer Coding Against SQL Server

Help data drive your business forward in 2014. Developers have an incredible amount of impact on the overall performance of a database application, and SQL Server Live! shines a spotlight to help developers deliver more. From T-SQL enhancements to "never do this" worst-practices reviews, to BI and Big Data considerations, there's select content to help you on your mission to conquer coding against SQL Server and to supplement your overall Live! 360 DEV experience! [sqllive360.com/lasvegas](http://sqllive360.com/lasvegas)



SharePoint

### Set Your Course for Collaboration

Developing the right apps and solutions to drive your business and support your workflows is a perennial challenge. This March, SharePoint Live! will be for developers only, where expert speakers will guide an exploration of patterns and practices, highlighting the capabilities of various development tools. Select sessions will focus on methodologies for development that will supplement your overall Live! 360 DEV experience.

[splive360.com/lasvegas](http://splive360.com/lasvegas)

AND INTRODUCING

### Launch Your Web Development Training Here!

The publishers of MSDN Magazine, Visual Studio Magazine; and the producers of Visual Studio Live! and Live! 360 bring you a new, dynamic, content-rich event – Web Dev Live! What we're seeing is an evolution where server-side web technologies continue to improve, and at the same time JavaScript and HTML5 are becoming viable smart client development technologies that operate on their own. This is a great time to jump into the JavaScript programming world, or to update your knowledge of web development based on the latest tools and capabilities. [webdevlive.com](http://webdevlive.com)



Web Dev

## WHY ATTEND LIVE! 360 DEV?

**LIVE! LEARNING.** Let's face it – nothing beats live learning, and attending a conference remains the best way to stay current in the ever-changing tech industry. Technologies evolve, new products are released and there are constant upgrades to keep up with. You need a single event that will cover all your development bases!



**LIVE! EXPERTS.** Live! 360 DEV speakers are some of the best and brightest in the industry, and this conference allows you to tap directly into their knowledge and expertise. Our speakers are always able and willing to talk to you outside of sessions – it's a great opportunity to get insightful, on-point answers!



**LIVE! WORKSHOPS.** The pre-and-post-conference workshops allow you to sink your teeth into today's technology with a full eight hours of training, insight, discussion, and more.

**MORE** Why Attend Live 360 >

## WHY ATTEND LIVE! 360 DEV?

**LIVE! EXPO.** The Exhibitors at Live! 360 DEV will allow you to hear about innovative solutions that can make your work life easier, and give you credible and unbiased information to build, buy and manage the development processes for your organization.



**LIVE! FUN.** All work and no play makes for a dull conference. Each day will bring a fun activity, contest, or function that will allow you to relax, kick back and mingle with your fellow attendees.



**LIVE! NETWORKING.** A variety of networking gives you the opportunity to connect with so many of your fellow developers from around the world!



## EVENTS & ACTIVITIES

**The Fun Stuff: Live! 360 DEV Las Vegas Events** Your attendance at Live! 360 DEV Las Vegas is about learning from your peers as well as the experts; make the most of your time with us and add these events to your itinerary!

### Dine-A-Round Dinner

Monday, March 10,  
 7:00 – 9:00 pm

Join other conference attendees and speakers for a casual, no-host dinner and make a few new friends while enjoying the fun and delicious restaurants in or around the Planet Hollywood. This is your opportunity to meet fellow attendees and start friendships that can last for the week or even longer. Attendees can break into small groups based on where everyone wants to eat and head off to dinner. Everyone is responsible for their own dinner.



### Welcome Reception

Tuesday, March 11,  
 5:30 – 7:00 pm

All conference attendees are invited to celebrate the start of Live! 360 DEV Las Vegas at the Welcome Reception. Join us in the expo area to network with fellow conference attendees and speakers, talk with the event sponsors, enjoy complimentary drinks and hors d'oeuvres, and participate in the conference raffle.



### Birds of a Feather Lunch

Wednesday, March 12,  
 12:00 – 1:15pm

Plumb the knowledge and experience of your colleagues, conference speakers and exhibitors by participating in one of the BoF Table discussions. These tables are designated with a sign and seating is on a first-come basis. There will be a wide variety of topics including:

- ASP.NET (Web Forms, MVC)
- WPF / Silverlight
- Visual Studio
- Languages (VB, C#, JavaScript)
- ALM
- SharePoint and Office
- LINQ, Entity Framework, ADO.NET
- Services (WCF, Web API, OData) .NET
- Windows Azure
- Mobile Development
- Visual Studio LightSwitch
- HTML5/IE 10/Typescript
- Windows 8.1/WinRT apps

		Visual Studio / .NET Framework	Windows 8.1 / WinRT	WPF / Silverlight	Cloud Computing	Windows Phone	Cross-Platform Mobile Development	ASP.NET	HTML5	Mobile Web	JavaScript	Developing Apps and Solutions for SharePoint	SQL Server for the Developer	Modern Apps Live!   Mogenic	
		<b>VISUAL STUDIO LIVE!</b>						<b>WEB DEV LIVE!</b>				<b>SHAREPOINT LIVE! / SQL SERVER LIVE!</b>		<b>MODERN APPS LIVE!</b>	
<b>START TIME</b>	<b>END TIME</b>	Pre-Conference Workshops: Monday, March 10, 2014 (Separate entry fee required)													
7:30 AM	9:00 AM	Pre-Conference Workshop Registration - Coffee and Morning Pastries													
9:00 AM	6:00 PM	LWM01 Workshop: Building Distributed Modern Apps in C# and XAML - Rockford Lhotka			LWM02 Workshop: Modern UX Design - Billy Hollis			LWM03 Workshop: Data-Centric Single Page Applications with Knockout, Durandal, Breeze, and Web API - Brian Noyes				LWM04 Workshop: Building Apps with SharePoint 2013 - Darrin Bishop		LWM05 Crash Course on Technologies for Modern App Development - Nick Landry & Kevin Ford	
7:00 PM	9:00 PM	Dine-A-Round Dinner													
		<b>Day 1: Tuesday, March 11, 2014</b>													
7:00 AM	8:00 AM	Registration - Coffee and Morning Pastries													
8:00 AM	9:00 AM	Keynote: Modern Development with Visual Studio, Nicole Herskowitz, Sr. Director, Visual Studio, Microsoft													
9:15 AM	10:30 AM	L101 Visual Studio 2013 New IDE Features Part I - Deborah Kurata	L102 What's New for HTML/WinJS Windows Store Apps - Ben Dewey	L103 Introduction to Windows Azure - Vishwas Lele	L104 HTML5 for Better Web Sites - Robert Boedigheimer	L105 One ASP.NET - Game Changers for 2013 - Jesse Liberty	L106 Introduction to In-Memory OLTP using Hekaton in SQL Server 2014 - Kevin Gaff	L107 Introduction to Modern Apps Development - Rockford Lhotka							
10:45 AM	12:00 PM	L108 Visual Studio 2013 New IDE Features Part II - Deborah Kurata	L109 What's New for XAML Windows Store Apps - Ben Dewey	L110 Windows Azure Cloud Services - Vishwas Lele	L111 12 Things Every Developer Really Needs to Know About JavaScript - Rachel Appel	L112 What's New in MVC 5 - Miguel Castro	L113 SQL Server 2012/2014 Columnstore Indexes - Kevin Gaff	L114 Modern Apps Architecture - Rockford Lhotka							
12:00 PM	1:15 PM	Lunch - Visit the EXPO													
1:15 PM	2:15 PM	L115 - Chalk Talk: To Be Announced				L116 Chalk Talk: Introduction to Speech Recognition with C# - James McCaffrey				L117 Chalk Talk: Access Services in SharePoint 2013 - What is it? - Darrin Bishop		L118 Chalk Talk: Using Git for Cross-Platform Source Control - Benjamin Day			
2:30 PM	3:45 PM	L119 What's New in Team Foundation Server 2013 - Benjamin Day	L120 Controlling Hardware Using Windows 8.1 - Brian Peek	L121 WCF & Web API: Can We All Just Get Along?! - Miguel Castro	L122 Great User Experiences with CSS 3 - Robert Boedigheimer	L123 Build Real Time Websites with SignalR - Rachel Appel	L124 SQL Server in Windows Azure Virtual Machines - Eric D. Boyd	L125 ALM with Visual Studio Online and Git - Brian Randell							
3:45 PM	4:15 PM	Networking Break - Visit the EXPO													
4:15 PM	5:30 PM	L126 Visual Studio Online: Cloud-y Visual Studio & TFS for Your Teams - Benjamin Day	L127 Performance and Diagnostics Hub in Visual Studio 2013 - Brian Peek	L128 Windows Azure Web Sites - Vishwas Lele	L129 Writing Next Generation Javascript with TypeScript - Rachel Appel	L130 What's New in Web API 2 - Miguel Castro	L131 T-SQL for Application Developers - Attendees Choose - Kevin Gaff	L132 Managing a Distributed Project Team - Kevin Ford							
5:30 PM	7:00 PM	Welcome Reception													
		<b>Day 2: Wednesday, March 12, 2014</b>													
7:00 AM	8:00 AM	Registration - Coffee and Morning Pastries													
8:00 AM	9:00 AM	Keynote: To Be Announced													
9:15 AM	10:30 AM	LW01 Getting Started with Windows Phone Development - Nick Landry	LW02 Test Your XAML-based Windows Store Apps with VS2013 - Benjamin Day	LW03 Overview of IaaS in Windows Azure with Virtual Machines - Eric D. Boyd	LW04 Using jQuery to Replace the Ajax Control Toolkit - Robert Boedigheimer	LW05 Going Native with KendoUI Mobile - Keith Burrell	LW06 How SharePoint Apps are Going to Save Us! - Bill Ayers	LW07 Application Servers and Windows Azure - Kevin Ford							
10:45 AM	12:00 PM	LW08 Developing Windows Phone Apps with Azure - Rockford Lhotka	LW09 Accelerate Your App Design with Blend for Visual Studio 2013 - Brian Noyes	LW10 Building Real-time, Multi-user Interactive Web and Mobile Applications Using SignalR - Marcel de Vries	LW11 Building Web Applications Using Kendo UI and the MVVM Pattern - Ben Hoelting	LW12 Building Cross-Platform Phone Apps & Sites with jQuery Mobile - Nick Landry	LW13 Developing Using the SharePoint 2013 REST Services - Matthew DiFranco	LW14 Modern App Design - Billy Hollis							
12:00 PM	1:15 PM	Birds-of-a-Feather Lunch - Visit the EXPO													
1:15 PM	2:30 PM	LW15 Cross Platform Native Mobile App Development for iOS, Android and Windows Using the Power of C# - Marcel de Vries	LW16 Holy Updates! (or What's New in Windows 8.1) - Philip Japikse	LW17 Persistence In The Cloud: How to Use Azure Storage - David Giard	LW18 Angular for .NET Developers - Jesse Liberty	LW19 Tips for Building Multi-Touch Enabled Web Sites - Ben Hoelting	LW20 Introduction to Office 365 SharePoint Online Development - Matthew DiFranco	LW21 User Experience Nuts and Bolts - Billy Hollis & Anthony Handley							
2:45 PM	4:00 PM	LW22 Mobile App Development for the Web Developer Using PhoneGap - Eric D. Boyd	LW23 WinRT Business Application Architecture - Rockford Lhotka	LW24 Building Services with ASP.NET MVC Web API Deep Dive - Marcel de Vries	LW25 Build Your First Angular Web Application - Matthew DiFranco	LW26 Build Once Deploy Everywhere with Icenium from Telerik - Ben Hoelting	LW27 Get Your Code Free! SharePoint Apps for the Mobile World - Bill Ayers	LW28 Data Access and SQL Server - Steve Hughes & Dave Stennessen							
4:00 PM	4:30 PM	Sponsored Break - Visit the EXPO - Expo Raffle @ 4:15PM													
4:30 PM	5:45 PM	LW29 iOS Development Survival Guide for the .NET Guy - Nick Landry	LW30 Overview of the Bing Platform - Brian Peek	LW31 Debugging and Monitoring Windows Azure Cloud Services - Eric D. Boyd	LW32 Connecting the Dots: Using HTML5, jQuery, and Web API Together - David Giard	LW33 Building OData Services with ASP.NET Web API - Brian Noyes	LW34 Test-Driven SharePoint 2013 App Development - Bill Ayers	LW35 Unit Testing Modern Apps - Jason Bock							
7:00 PM	9:00 PM	Live! 360 Evening Event													
		<b>Day 3: Thursday, March 13, 2014</b>													
7:00 AM	8:00 AM	Registration - Coffee and Morning Pastries													
8:00 AM	9:15 AM	LTH01 What's New in .NET 4.5.1 - Jason Bock	LTH02 Interaction Design Principles and Patterns - Billy Hollis	LTH03 To Be Announced	LTH04 Knocking it Out of the Park with KnockoutJS - Miguel Castro	LTH05 Slice Development Time with ASP.NET MVC, Visual Studio, and Razor - Philip Japikse	LTH06 To Be Announced	LTH07 Building an App for Android with Xamarin - Nick Landry							
9:30 AM	10:45 AM	LTH08 Building Shared Mobile Apps for Windows Store and Windows Phone - Nick Landry	LTH09 Applying UX Design in XAML - Billy Hollis	LTH10 Learning Entity Framework 6 - Leonard Label	LTH11 Structuring Your Single Page Application with Durandal - Brian Noyes	LTH12 OWIN and Katana: The New HTTP Host for .NET Web Applications - Brock Allen	LTH13 Excel, Power BI and You: An Analytics Superhub - Andrew Brust	LTH14 Leveraging Your Data Through Business Intelligence - Steve Hughes							
11:00 AM	12:15 PM	LTH15 Visual Studio Online—It's More Than You Know - Brian Randell	LTH16 Creating Games for Windows 8 with Unity - Brian Lagunas	LTH17 To Be Announced	LTH18 Create an API For Your Application With Service Stack - Jesse Liberty	LTH19 Creating Map Centric Web Applications with HTML5 and JavaScript - Ben Ramsesh	LTH20 Big Data 101 with HDInsight - Andrew Brust	LTH21 Building a WinRT and WinPRT App with C# and XAML - Brent Edwards							
12:15 PM	1:30 PM	Lunch													
1:30 PM	2:45 PM	LTH22 App Insights - App Performance Monitoring - Brian Randell	LTH23 Building Composite XAML Applications with Prism - Brian Lagunas	LTH24 Asynchronous Debugging in .NET - Jason Bock	LTH25 Busy Developer's Guide to Node.js - Ted Neward	LTH26 Internals of Security for Web Applications in Visual Studio 2013 - Brock Allen	LTH27 Database Development with SQL Server Data Tools - Leonard Label	LTH28 Building a Modern iPad (iOS) - Lou Miranda							
3:00 PM	4:15 PM	LTH29 App Insights - Global System Monitoring - Brian Randell	LTH30 Implementing MVVM (Model-View-View Model) for WPF - Philip Japikse	LTH31 Browser as Code Editor: A Tour of Monaco - Jason Bock	LTH32 Busy Developer's Guide to Everything Not-JavaScript - Ted Neward	LTH33 Identity Management in ASP.NET - Brock Allen	LTH34 Windows Azure SQL Database - SQL Server in the Cloud - Leonard Label	LTH35 Building a 'Smart Client' HTML5 and JavaScript App - Aiden Ryan							
		<b>POST-CONFERENCE WORKSHOPS: FRIDAY, MARCH 14, 2014 (SEPARATE ENTRY FEE REQUIRED)</b>													
7:30 AM	8:00 AM	Post-Conference Workshop Registration - Coffee and Morning Pastries													
8:00 AM	5:00 PM	LWF01 Workshop: Deep Dive into Visual Studio 2013, TFS, and Visual Studio Online - Brian Randell		LWF02 Workshop: Build and Submit a Game to the Windows App Store - David Giard			LWF03 Workshop: Busy Developer's Guide to AngularJS - Ted Neward				LWF04 Workshop: SQL Server for Developers - Andrew Brust & Leonard Label		LWF05 Workshop: Deep Dive into Modern App Design and Development - Brent Edwards, Anthony Handley, Lou Miranda, & Aiden Ryan		

Speakers and sessions subject to change

Visual Studio **LIVE!** AGENDA-AT-GLANCE | MONDAY & TUESDAY  
EXPERT SOLUTIONS FOR .NET DEVELOPERS

Visual Studio / .NET Framework		Windows 8.1 / WinRT	WPF / Silverlight	Cloud Computing	Windows Phone	Cross-Platform Mobile Development
<b>START TIME</b>	<b>END TIME</b>	Pre-Conference Workshops: Monday, March 10, 2014 (Separate entry fee required)				
7:30 am	9:00 am	Pre-Conference Workshop Registration - Coffee and Morning Pastries				
9:00 am	6:00 pm	<b>LWM01</b> Workshop: Building Distributed Modern Apps in C# and XAML - Rockford Lhotka		<b>LWM02</b> Workshop: Modern UX Design - Billy Hollis		
7:00 pm	9:00 pm	Dine-A-Round Dinner				
<b>Day 1: Tuesday, March 11, 2014</b>						
7:00 am	8:00 am	Registration - Coffee and Morning Pastries				
8:00 am	9:00 am	Keynote: Modern Development with Visual Studio. <i>Nicole Herskowitz, Sr. Director, Visual Studio, Microsoft</i>				
9:15 am	10:30 am	<b>LT01</b> Visual Studio 2013 New IDE Features Part I - Deborah Kurata	<b>LT02</b> What's New for HTML/WinJS Windows Store Apps - Ben Dewey	<b>LT03</b> Introduction to Windows Azure - Vishwas Lele		
10:45 am	12:00 pm	<b>LT08</b> Visual Studio 2013 New IDE Features Part II - Deborah Kurata	<b>LT09</b> What's New for XAML Windows Store Apps - Ben Dewey	<b>LT10</b> Windows Azure Cloud Services - Vishwas Lele		
12:00 pm	1:15 pm	Lunch • Visit the EXPO				
1:15 pm	2:15 pm	<b>LT15</b> - Chalk Talk: To Be Announced				
2:30 pm	3:45 pm	<b>LT19</b> What's New in Team Foundation Server 2013 - Benjamin Day	<b>LT20</b> Controlling Hardware Using Windows 8.1 - Brian Peek	<b>LT21</b> WCF & Web API: Can We All Just Get Along?!? - Miguel Castro		
3:45 pm	4:15 pm	Networking Break • Visit the EXPO				
4:15 pm	5:30 pm	<b>LT26</b> Visual Studio Online: Cloud-y Visual Studio & TFS for Your Teams - Benjamin Day	<b>LT27</b> Performance and Diagnostics Hub in Visual Studio 2013 - Brian Peek	<b>LT28</b> Windows Azure Web Sites - Vishwas Lele		
5:30 pm	7:00 pm	Welcome Reception				

**“Huge amounts of information. Lots of different presentations on a large variety of subjects.”**

- Harold Tillett, Clemson University



Visual Studio / .NET Framework		Windows 8.1 / WinRT	WPF / Silverlight	Cloud Computing	Windows Phone	Cross-Platform Mobile Development
<b>Day 2: Wednesday, March 12, 2014</b>						
7:00 am	8:00 am	Registration - Coffee and Morning Pastries				
8:00 am	9:00 am	Keynote: To Be Announced				
9:15 am	10:30 am	<b>LW01</b> Getting Started with Windows Phone Development - <i>Nick Landry</i>	<b>LW02</b> Test Your XAML-based Windows Store Apps with VS2013 - <i>Benjamin Day</i>	<b>LW03</b> Overview of IaaS in Windows Azure with Virtual Machines - <i>Eric D. Boyd</i>		
10:45 am	12:00 pm	<b>LW08</b> Developing Windows Phone Apps with Azure - <i>Rockford Lhotka</i>	<b>LW09</b> Accelerate Your App Design with Blend for Visual Studio 2013 - <i>Brian Noyes</i>	<b>LW10</b> Building Real-time, Multi-user Interactive Web and Mobile Applications Using SignalR - <i>Marcel de Vries</i>		
12:00 pm	1:15 pm	Birds-of-a-Feather Lunch • Visit the EXPO				
1:15 pm	2:30 pm	<b>LW15</b> Cross Platform Native Mobile App Development for iOS, Android and Windows Using the Power of C# - <i>Marcel de Vries</i>	<b>LW16</b> Holy Updates! (Or What's New in Windows 8.1) - <i>Philip Japikse</i>	<b>LW17</b> Persistence In The Cloud: How to Use Azure Storage - <i>David Giard</i>		
2:45 pm	4:00 pm	<b>LW22</b> Mobile App Development for the Web Developer Using PhoneGap - <i>Eric D. Boyd</i>	<b>LW23</b> WinRT Business Application Architecture - <i>Rockford Lhotka</i>	<b>LW24</b> Building Services with ASP.NET MVC Web API Deep Dive - <i>Marcel de Vries</i>		
4:00 pm	4:30 pm	Sponsored Break • Visit the EXPO • Expo Raffle @ 4:15Pm				
4:30 pm	5:45 pm	<b>LW29</b> iOS Development Survival Guide for the .NET Guy - <i>Nick Landry</i>	<b>LW30</b> Overview of the Bing Platform - <i>Brian Peek</i>	<b>LW31</b> Debugging and Monitoring Windows Azure Cloud Services - <i>Eric D. Boyd</i>		
7:00 pm	9:00 pm	Live! 360 Evening Event				
<b>Day 3: Thursday, March 13, 2014</b>						
7:00 am	8:00 am	Registration - Coffee and Morning Pastries				
8:00 am	9:15 am	<b>LTH01</b> What's New in .NET 4.5.1 - <i>Jason Bock</i>	<b>LTH02</b> Interaction Design Principles and Patterns - <i>Billy Hollis</i>	<b>LTH03</b> To Be Announced		
9:30 am	10:45 am	<b>LTH08</b> Building Shared Mobile Apps for Windows Store and Windows Phone - <i>Nick Landry</i>	<b>LTH09</b> Applying UX Design in XAML - <i>Billy Hollis</i>	<b>LTH10</b> Learning Entity Framework 6 - <i>Leonard Lobel</i>		
11:00 am	12:15 pm	<b>LTH15</b> Visual Studio Online—It's More Than You Know - <i>Brian Randell</i>	<b>LTH16</b> Creating Games for Windows 8 with Unity - <i>Brian Lagunas</i>	<b>LTH17</b> To Be Announced		
12:15 pm	1:30 pm	Lunch				
1:30 pm	2:45 pm	<b>LTH22</b> App Insights - App Performance Monitoring - <i>Brian Randell</i>	<b>LTH23</b> Building Composite XAML Applications with Prism - <i>Brian Lagunas</i>	<b>LTH24</b> Asynchronous Debugging in .NET - <i>Jason Bock</i>		
3:00 pm	4:15 pm	<b>LTH29</b> App Insights - Global System Monitoring - <i>Brian Randell</i>	<b>LTH30</b> Implementing MVVM (Model-View-View Model) for WPF - <i>Philip Japikse</i>	<b>LTH31</b> Browser as Code Editor: A Tour of Monaco - <i>Jason Bock</i>		
<b>Post-Conference Workshops: Friday, March 14, 2014 (Separate entry fee required)</b>						
7:30 am	8:00 am	Post-Conference Workshop Registration - Coffee and Morning Pastries				
8:00 am	5:00 pm	<b>LWF01</b> Workshop: Deep Dive into Visual Studio 2013, TFS, and Visual Studio Online - <i>Brian Randell</i>		<b>LWF02</b> Workshop: Build and Submit a Game to the Windows App Store - <i>David Giard</i>		

■ **LWM01 Workshop: Building Distributed Modern Apps in C# and XAML – Intermediate**

**Rockford Lhotka**

Monday, March 10

9:00am – 6:00pm

Most developers recognize that the industry is shifting away from “traditional” applications to “modern” apps. In the Microsoft world modern apps are apps that run on Windows 8, Windows Phone, and now via the Xamarin tools on Android and iOS. The great news is that these apps can be created using familiar tools such as Visual Studio and C#. If the client device is Windows-based XAML is available, though Android and iOS have their own UI design languages.

Modern apps are also distributed, typically making heavy use of services hosted on a public or private cloud. These services may be pre-existing web services, n-tier client/server endpoints, or newer Web API services. Modern apps may also make use of third party services such as Azure Mobile Services or authentication providers from external vendors.

**You will learn:**

- Modern app architectures to leverage existing and new services
- Reusing business and service code from Windows Forms/WPF in modern C# apps
- Leveraging external frameworks such as CSLA .NET, MVVM Light, and Caliburn Micro to simplify architecture/implementation

■ **LWM02 Workshop: Modern UX Design – Introductory**

**Billy Hollis**

Monday, March 10

9:00am – 6:00pm

Modern apps are now mainstream for many businesses, but they require new skills and processes compared to traditional business applications. In this highly interactive workshop, you’ll learn principles and concepts you’ll need for modern app design, plus process options for adding design phases to your development. Hints and pitfalls for designing mobile and touch applications will be covered,

but most of the content applies to all modern applications, including those on the desktop. You’ll also be challenged to solve real modern app problems, and work in small groups to apply your newly-learned design expertise. You’ll also see examples of modern apps to provide you with inspiration for your own circumstances. This workshop is appropriate for anyone working on or starting work on a modern UI stack, such as XAML, HTML5, iOS, or Android.

**You will learn:**

- Learn the most important fundamental design principles that inform the design of modern apps
- Discover a path to continue learning design principles on your own
- See options for a structured design process
- Learn specific design hints for mobile and touch applications

■ **LWF01 Workshop: Deep Dive into Visual Studio 2013, TFS, and Visual Studio Online – Intermediate /Advanced**

**Brian Randell**

Friday, March 14

8:00am – 5:00pm

Each release of Visual Studio and Team Foundation Server keep getting better. You know the basics and are ready for more. You want to know what’s new and what’s worth using in the new 2013 releases. You’ve also heard about Visual Studio Online and wonder if it’s something you should consider. Finally, you’ve got a few questions about your existing process and how you use TFS. In this workshop Brian will first cover the product with the assumption you know the basics. From there he will dig into the new Git version control, Enterprise Agile, and Release Management features in 2013. He’ll compare and contrast TFS with the new service, cover some App Insights, and answer your tough questions. So please, come with experience and your existing knowledge of Visual Studio and TFS and let’s go swimming with the sharks and dive deep for a day of fun and knowledge transfer.

**You will learn:**

- What’s new in VS 2013
- What’s new in TFS 2013
- What is Visual Studio Online
- Upgrade advice moving from earlier releases of TFS and Visual Studio

■ **LWF02 Workshop: Build and Submit a Game to the Windows App Store**

– *Introductory*

**David Giard**

Friday, March 14

8:00am – 5:00pm

In this full day workshop, you will learn the Windows 8 app development process from creating an account to building a game to preparing it for publication to submitting it to the app store to promoting the app. Every attendee will have the opportunity to complete and submit an app to the app store.

The workshop will emphasize hands-on experience. At the end of the day, every attendee should be able to submit at least one app to the Windows 8 app store.

Basic programming experienced is assumed for this workshop.

**Each attendee will need to bring:**

- A USB drive
- A laptop with the following software installed:
  - Windows 7 or Windows 8
  - Visual Studio 2012
  - Scirra Construct 2 (You can download it free from <https://www.scirra.com/construct2/free-edition>)
- Each student will need to have a Microsoft account (formerly called a Windows Live account).

**You will learn:**

- How to build a 2D game for the Windows 8 platform
- The Windows 8 submission process
- How to market an application

## VISUAL STUDIO LIVE! | SESSION DESCRIPTION BY TRACK

### VISUAL STUDIO / .NET

The latest Microsoft .NET framework includes exciting new capabilities that apply to any type of .NET application. Visual Studio 2013 provides ever more powerful features around debugging, architecture and application lifecycle management (ALM). Visual Studio Live! gives you the information you need to understand and leverage the power of .NET, Visual Studio, ALM, and the .NET Framework today and into the future. Topics in this track include:

- More than 20 new sessions focused on Visual Studio 2013, .NET 4.5.1 and Windows 8.1
- ALM, Visual Studio tooling, TFS, and DevOps
- Asynchronous/parallel computing
- Modern .NET development practices and principles

#### ■ LT01 Visual Studio 2013 New IDE Features Part I – Intermediate

**Deborah Kurata**

Tuesday, March 11

9:15 – 10:30am

There are so many cool new features in Visual Studio that they can't fit into one session!

This first session starts with the launch experience and covers Synchronized Settings, Feedback options, Notification Center, and the subtle differences between VS 2012 and VS 2013 in a section entitled "Who Moved My Cheese". We will also look at the new debugging and diagnostics tools. But the star of this session is the new CodeLens feature that provides quick access to references, unit tests, and source control details.

Come learn how you can get the most from these new tools and features in Visual Studio 2013.

#### You will learn:

- Learn how to use the new features of Visual Studio 2013
- Become more productive with Visual Studio 2013 by leveraging its many new features

#### ■ LT08 Visual Studio 2013 New IDE Features Part II – Intermediate

**Deborah Kurata**

Tuesday, March 11

10:45am – 12:00pm

As developers, we spend the majority of our time with Visual Studio in a Code Editor. This second session focuses on the new Code Editor features. We'll start with Peek Definition and the very cool new Enhanced Scrollbar, then the updated Navigate to (Ctrl+Comma), keyboard shortcuts for moving lines, and automatic brace completion.

Then we'll look at the many new features in some of the specialized editors, like the updated Intellisense and Go To Definition in the XAML and HTML editors.

Come learn how you can get the most from your editor in Visual Studio 2013.

#### You will learn:

- Learn how to use the new features of Visual Studio 2013
- Become more productive with Visual Studio 2013 by leveraging its many new features

#### ■ LT19 What's New in Team Foundation Server 2013 – Intermediate

**Benjamin Day**

Tuesday, March 11

2:30 – 3:45pm

You've probably heard by now but there was a new release of TFS a little while back. There are a bunch of new features. From Git support to support for "Epics" in the Agile planning tools to changes to the QA tools to online Team Rooms and more – there are a lot of new features. In this session Ben will give you a feel for what these new features are and show you how you can use them to help make your life easier on your projects.

#### You will learn:

- Basics of Git + TFS
- Agile/Scrum planning with TFS
- Agile/Scrum portfolio management with TFS
- Streamlining your team with TFS
- Simplified TFS Build customization

#### ■ LT26 Visual Studio Online: Cloud-y Visual Studio & TFS for Your Teams

**Benjamin Day**

Tuesday, March 11

4:15 – 5:30pm

More and more companies are moving their on-premise Team Foundation Server into the cloud. Visual Studio Online (formerly known as Team Foundation Service) gives you access to Team Foundation Server without the hassle of installing and hosting it yourself. In a matter of minutes you can sign up for Visual Studio Online and have access to Team Foundation Version Control, Git, work items for Scrum/Agile, and TFS automated builds. And that's just the beginning. There's also the online QA test plan features, bug/defect tracking, load testing in the cloud, continuous deployment to Windows Azure, and application performance monitoring with Application Insights. And more features are being added all the time. In this session, Ben will give you an overview of what's available when you sign up for Visual Studio Online and show you how you can use VSO's features to get your teams and projects up and running quickly and easily.

#### You will learn:

- Why you should move to the cloud
- Overview of TFS's features
- Overview of Load Testing in the cloud
- Overview of Automated Build in the cloud
- Overview of continuous deployment to Azure
- Agile/Scrum planning & management in the cloud



## VISUAL STUDIO LIVE! | SESSION DESCRIPTION BY TRACK

### ■ LTH01 What's New in .NET 4.5.1

– *Intermediate*

**Jason Bock**

Thursday, March 13

8:00 – 9:15am

With the release of the 4.5.1 version of the .NET Framework, there's a lot to take in. In this talk, we'll focus on the additions to the next version of the .NET Framework, such as asynchronous I/O, reflection, and weak events. We'll also cover key breaking changes that may affect your current code base.

**You will learn:**

- An understanding of the new APIs available to .NET developers
- What's been changed in 4.5.1 that may affect current code
- To move effectively into the next version of .NET

### ■ LTH08 Building Shared Mobile Apps for Windows Store and Windows Phone

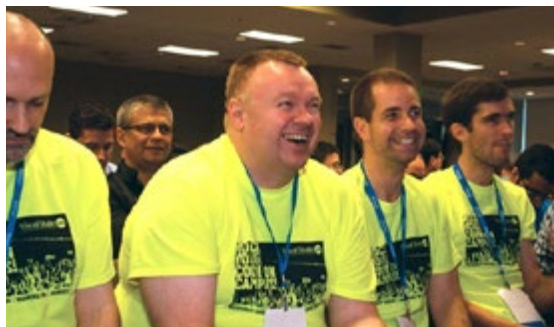
– *Advanced*

**Nick Landry**

Thursday, March 13

9:30 – 10:45am

Windows and Windows Phone share a common core. WinRT is the common denominator. If you think you can write an app for one and expect to run it as is on the other, think again. There are obvious screen real estate considerations between a Nokia Lumia and a Microsoft Surface. The input methods will also vary, as are the expectations of the user when working on each device. The differences are also more than skin deep. Come learn how to maximize your design & code reuse between the two platforms to reduce your development time and your migration costs. We'll discuss strategies on how to tackle a project that targets the phone and the tablet, which platform to use as the baseline, how to structure your solution and your code, what portions can be shared and how, and how to deal with the incompatibilities and differences.



This session will present an actual example of an app that runs on both Windows Phone and a Microsoft Surface while sharing as much code as possible. If you build a successful app on one of the mobile Windows platforms, your users will want your app on the other. Attend this session and extend the reach of your apps.

**You will learn:**

- The basics of the Windows Phone 8 and Windows 8 application models, the differences between the two platforms and what the common ground is
- How to write portable class libraries that can be used across several platforms
- How to design & build mobile application projects intended to target both Windows Phone and Windows 8, each with their own distinctive user interface

### ■ LTH10 Learning Entity Framework 6

– *Intermediate*

**Leonard Lobel**

Thursday, March 13

9:30 – 10:45am

Microsoft has clearly positioned the Entity Framework 6 (EF) as the primary data access platform for .NET applications. But many developers have yet to embrace the powerful Object Relational Mapping (ORM) capabilities that EF offers. Whether you're new to ORM, or you've dabbled in other ORM technologies, Lenni will show how quickly you can start working with EF6 and boost your productivity when building data-centric .NET applications.

We'll begin with a quick introduction to ORM and EF, and then explain many of the special ORM features in EF6, such as the Entity Data Model (EDM), and support for table splitting, inheritance, entity splitting, and many-to-many relationships. With the basics covered, Lenni will then dive right into live demos that show what EF can do for you as a data access layer, using database-first, model-first, and code-first approaches. We'll also discuss new features introduced in EF6, and wrap up with a demo of WCF Data Services, which exposes your entities as REST services over the web with virtually no effort.

**You will learn:**

- Understand the purpose and benefits of ORM
- Learn about the Entity Data Model (EDM)
- Leverage WCF Data Services over your EDM

### ■ LTH15 Visual Studio Online—It's More Than You Know – *Intermediate*

**Brian Randell**

Thursday, March 13

11:00am – 12:15pm

Having been in preview for over two years, you can now finally pay to use Visual Studio Online (formally Team Foundation Service). But do you have to pay? In this session, Brian will cover Visual Studio Online. He will tell you what it is and cover the latest features including "Monoco", Azure Integration, and App Insights. He'll give you the honest truth whether the service is right for you and your team, and provide you a bunch of demos. So come learn what's new and what works (and sometimes what doesn't). After over two and half years, Brian has a bunch of stories to tell—and almost all are great.

**You will learn:**

- What Visual Studio Online is
- How much it costs
- What features it has and what it doesn't when compared to Team Foundation Server

## VISUAL STUDIO LIVE! | SESSION DESCRIPTION BY TRACK

### ■ LTH22 App Insights – App Performance Monitoring – *Intermediate*

**Brian Randell**

Thursday, March 13

1:30 – 2:45pm

You've built a great application. Its Internet enabled and has multiple components. How do you monitor it? In this session Brian will cover a new forthcoming set of tools and technologies that are part of Application Insights. Specifically, he'll focus on how you can understand your application and system internals with Application Performance Monitoring (APM). Using APM you'll be able to find the issues in your application and respond to them more quickly and more effectively. This session will cover preview technology and will be hot to the touch.

#### You will learn:

- What App Insights is
- What Application Performance Monitoring is
- How to use Application Performance Monitoring to find production issues in your app

### ■ LTH24 Asynchronous Debugging in .NET – *Intermediate*

**Jason Bock**

Thursday, March 13

1:30 – 2:45pm

Writing programs with asynchronous code has become easier with recent changes in .NET, such as the `async` and `await` keywords in C# and VB. However, they do not eliminate issues that arise with asynchronous programming. Debugging asynchronous code can also be a difficult endeavor. In this session, you'll see how you can use tools in Visual Studio 2013 that help you find issues in your `async` code.

#### You will learn:

- Understand the difficulties that can occur with asynchronous code
- Gain insight into asynchronous code to eliminate common bugs
- See how tools in VS 2013 assist you in finding code issues

### ■ LTH29 App Insights – Global System Monitoring – *Intermediate*

**Brian Randell**

Thursday, March 13

3:00 – 4:15pm

You've got a great web site with web services. It runs great. Or does it? How do you know? In this session Brian will cover a new forthcoming set of tools and technologies that are part of Application Insights. Specifically, he'll focus on how you can use Global System Monitoring for Out-side-in availability monitoring. In addition, he'll cover how you can make data driven decisions with customer usage analytics not just "gut feel". He will cover the new dashboards and how you can customize them for you needs. This session will cover preview technology and will be hot to the touch.

#### You will learn:

- What App Insights is
- What Global System Monitoring (GSM) is
- How to use GSM as well as App Insights data analytics to better understand customer usage

### ■ LTH31 Browser as Code Editor: A Tour of Monaco – *Beginner*

**Jason Bock**

Thursday, March 13

3:00 – 4:15pm

Recently Microsoft announced Monaco, an online code editor for developing and editing Azure-based web applications via Visual Studio Online. With this offering a developer can maintain their application from any browser on any device. In this session you'll get a tour of what Monaco is, how it works, and how you can make it work for your applications.

#### You will learn:

- Understand where Monaco fits within the Microsoft development ecosystem
- See how Monaco works within the browser
- Discover how you can publish and maintain sites with Monaco

## WINDOWS 8.1 / WINRT

With last year's release of Windows 8.1, adoption of the Windows Runtime (WinRT) is well underway. Are you ready to build apps for this new platform? Modern Windows Store apps take advantage of key WinRT features such as Live Tiles, the Charms bar, and push notifications. They are almost certainly integrated with cloud and social services, providing users with experiences that were previously prohibitively difficult to implement. Perhaps more important, these apps run on tablets, ultrabooks, laptops, and desktops so they are available to users almost everywhere. Apps for WinRT can be written with HTML and JavaScript, or XAML and C#/VB .NET, among other options. At Visual Studio Live! Las Vegas, you'll learn to build modern Windows Store apps, and understand the finer points of WinRT and related cloud services. This track includes coverage of the following:

- What's new in Windows 8.x and WinRT for Developers
- XAML UX design
- HTML5 UX design

### ■ LT02 What's New for HTML/WinJS Windows Store Apps – *Intermediate*

**Ben Dewey**

Tuesday, March 11, 2014

9:15 – 10:30am

Are you building Native Windows Apps with HTML5 and Javascript or are you a web developer looking to target Windows Apps with your skills this session is for you. We will cover the new features of WinRT that enable a consistent experience across all apps. There will be a number of demos that focus on all the new controls and layout support within WinJS and the new end user productivity features which enable new gestures and keyboard shortcuts.

#### You will learn:

- New Features in WinRT for Windows 8.1
- New Features and Controls in WinJS for Windows 8.1 Apps

## VISUAL STUDIO LIVE! | SESSION DESCRIPTION BY TRACK

### ■ LT09 What's New for XAML Windows Store Apps – Intermediate

**Ben Dewey**

Tuesday, March 11, 2014

10:45am – 12:00pm

This is a must-see session for anyone who is writing or interested in writing Windows Store apps using XAML for Windows 8.1. This session will cover some of the general WinRT updates, which enable new devices, new actions, and a more consistent experience across the platform. With a focus on XAML, attendees will see all the new controls and XAML support added to Windows 8.1. There will be plenty of demos to show off all the new functionality including the new XAML features in Visual Studio 2013.

#### You will learn:

- New Features in WinRT for Windows 8.1
- New Features and Controls in XAML for Windows 8.1 Apps
- New Features for XAML in Visual Studio 2013

### ■ LT16 Chalk Talk: Introduction to Neural Networks and Speech Recognition with C#

– Introductory

**James McCaffrey**

Tuesday, March 11

1:15 – 2:15pm

\*WebDevLive

Neural networks are machine learning systems that can be used to make predictions and classifications such as speech recognition. Neural networks form the basis of Microsoft's speech technologies that can understand a user's spoken commands, and that generate output using a human-sounding voice. In a short and informal session, Dr. James McCaffrey, from Microsoft Research in Redmond, WA, will give you all the information you need to get up and running with neural networks and programs that perform speech recognition and speech synthesis using the C# language.

#### You will learn:

- Understand exactly what neural networks are and how they work

• Understand the similarities and differences between the two main Microsoft speech platforms

• How to create C# programs that recognize spoken commands and that generate human-like voice output

### ■ LT20 Controlling Hardware Using Windows 8.1 – Intermediate

**Brian Peek**

Tuesday, March 11

2:30 – 3:45pm

Windows 8.1 allows developers to communicate with a variety of devices through several interfaces. In this session, we will look at how to talk to hardware connected via USB and Bluetooth, as well as some of the new APIs which allow Windows 8.1 to talk to Point of Sale (POS) devices, scanners, and even 3D printers using real examples with real hardware!

#### You will learn:

- How to use HID devices
- How to use Bluetooth devices
- How to use Point of Sale devices

### ■ LT27 Performance and Diagnostics Hub in Visual Studio 2013 – Intermediate

**Brian Peek**

Tuesday, March 11

4:15 – 5:30pm

Visual Studio 2013 has introduced a new Performance and Diagnostics hub which encompasses a variety of new and old tools to profile your Windows Store applications. In this session, we will take a detailed look at all of the tools that the Performance and Diagnostics Hub has to offer with both XAML and HTML/JavaScript Windows Store apps.

#### You will learn:

- Overview of the Performance and Diagnostics Hub
- How to profile applications for Energy Consumption, UI responsiveness and memory usage
- How to fix those issues to build a better application



### ■ LW02 Test Your XAML-based Windows Store Apps with VS2013

– Intermediate / Advanced

**Benjamin Day**

Wednesday, March 12

9:15 – 10:30am

So you're writing a Windows Store App. Cool. How are you planning to test it? The brute force manual testing old school QA approach, perhaps? It's possible to create a good app and test it by just clicking and typing but that can get pretty tedious. And it's not very efficient either. What you really want to do is to use the same automated testing that you'd use if you were building an ASP.NET, WPF, or Windows Forms application. In this session, Ben will show you how to use the testing features of Visual Studio 2013 to create unit tests and Coded UI Tests for your application so you can automate your testing effort. From the Test Explorer to data-driven async unit tests to Coded UI gesture support to MVVM design patterns – you'll learn how to design, write, and test your XAML-based Windows Store Apps.

#### You will learn:

- Testing async methods
- Data-driven tests
- Extensible MSTest Framework
- Coded UI Tests
- Touch Gesture support in Coded UI Tests

## VISUAL STUDIO LIVE! | SESSION DESCRIPTION BY TRACK

### ■ LW09 Accelerate Your App Design with Blend for Visual Studio 2013

– Introductory / Intermediate

**Brian Noyes**

Wednesday, March 12

10:45am – 12:00pm

Blend for Visual Studio 2013 brings a number of great new features for developers of Windows Store apps, as well as a few great enhancements for WPF, Silverlight, and Windows Phone app developers as well. There are some great new designer features for laying out and arranging your views, support for Windows 8.1 specific new controls and device capabilities, and some other assorted enhancements. Some of the big enhancements surround using behaviors, animations, and visual states in your XAML and HTML Windows Store applications to bring them up to par with what WPF, Silverlight, and Windows Phone apps have been able to do for a while. In this session you will get a good tour of all the new features, learn a bit about behaviors and why they are important, and learn how to leverage all the new capabilities that can accelerate not only your Windows Store app development, but make you a more productive WPF, Silverlight, or Windows Phone developer as well.

#### You will learn:

- How to use the new layout rulers, guides, and snapping of Blend to get more precise and nicely aligned layout of your controls in a view.
- About behaviors and how to use them in Windows Store apps as well as WPF, Silverlight, and Windows Phone and what the similarities and differences are
- How to leverage Windows 8.1 specific features directly from the Blend designer

### ■ LW16 Holy Updates! (Or What's New in Windows 8.1) – Intermediate

**Philip Japikse**

Wednesday, March 12

1:15 – 2:30pm

Windows 8.1 brings a lot of consumer facing updates to Windows. In conjunction with Visual Studio 2013, there are a lot of improvements; but not without some pain. Philip will show you what's new, what's broken, and how to migrate your app from Windows 8 to Windows 8.1

#### You will learn:

- What's new in Windows 8.1 and VS2013 for Modern App Developers
- Breaking changes in Windows 8.1
- Migrating your apps to Windows 8.1

### ■ LW23 WinRT Business Application Architecture – Intermediate

**Rockford Lhotka**

Wednesday, March 12

2:45 – 4:00pm

Although adoption of WinRT (Windows Runtime) for business app development has been slow thus far, WinRT is the future platform for developing Windows 8, Windows Phone, and other apps on the Microsoft platform. In this session you will learn how to think about business app architecture given the constraints and capabilities of the WinRT client platform.



### ■ LW30 Overview of the Bing Platform

– Introductory

**Brian Peek**

Wednesday, March 12

4:30 – 5:45pm

Bing has a variety of controls, APIs, and web services designed to enhance your application and provide users with an interactive way to explore the world around them. In this session we will take a look at several of these items and how they can be used from a Windows desktop, Store or Phone application.

#### You will learn:

- Overview of the entire Bing platform
- How to use Bing APIs from desktop, Store and Phone
- How the Bing platform can be used to monetize your applications

### ■ LTH02 Interaction Design Principles and Patterns – Introductory

**Billy Hollis**

Thursday, March 13

8:00 – 9:15am

Developers often think “design” means “visual design” and is done by graphic artists. But the real business value is in interaction design – helping users navigate through an application and interact with it in an intuitive and productive fashion. This session will cover some of the most important design principles for productive and clear user interaction, and show some of the more commonly used interaction patterns in both desktop and mobile applications.

#### You will learn:

- Understanding the difference between visual design and interaction design
- Learning important principles about efficient interaction design, such as Hick's Law and Gestalt Similarity
- Gain an understanding of common interaction patterns for interaction design, which serves as a checklist starting point when doing your own apps

## VISUAL STUDIO LIVE! | SESSION DESCRIPTION BY TRACK



### ■ LTH09 Applying UX Design in XAML – Intermediate Billy Hollis

Thursday, March 13

9:30 – 10:45am

Modern apps can be written on several UI stacks, but XAML shines as a platform for innovative productive user experience. In this session, you'll see XAML examples of modern application design, with implementations you can take home. You'll see a desktop shell, a mobile search screen, and improved replacements for the infamous "wall of data grids" design. You'll see examples of visualization of data using XAML visual elements, in which raw data is transformed into visuals that the user assimilates quickly and easily. If you work in XAML, don't be satisfied with screens that look like brightly colored Windows Forms – come to this session to see ways you can create more compelling and productive experiences for your users.

#### You will learn:

- See basic XAML techniques for getting the look and feel of a modern app
- Understand options for replacing data grids with better user experiences in XAML, using innovative and advanced data templates
- Learn ways to transform data into user-centric representations using XAML visual elements

### ■ LTH16 Creating Games for Windows 8 with Unity – Intermediate

Brian Lagunas

Thursday, March 13

11:00am – 12:15pm

If you are looking for fun and exciting apps to start writing for Windows 8, then you should consider games. Not a game developer? No problem! In this session I will cover all the basics of using the Unity game engine, and your current C# or JavaScript skills, to get you started writing games for Windows 8. We will look at how to navigate the Unity IDE, how to create scenes, add objects to our scenes, and add animations to our game characters. Come join me for this fun and interactive session where your Windows 8 games are only limited by your imagination.

#### You will learn:

- How to navigate the Unity IDE
- How to create scenes for your game
- How to animate your game characters
- How to publish your game for Windows 8 and/or Windows Phone

## WPF / SILVERLIGHT

Today, most business apps for Windows are created using XAML in WPF or Silverlight. This track is all about improving your productivity while designing and building applications using XAML in WPF and Silverlight. We'll provide you the opportunity to build your skills and knowledge around these important smart client technologies while planning for WinRT.

### ■ LTH23 Building Composite XAML Applications with Prism – Advanced

Brian Lagunas

Thursday, March 13

1:30 – 2:45pm

In this session you will learn how to design and build Windows Phone, Silverlight, and Windows Presentation Foundation (WPF) desktop applications using loosely

coupled components that can evolve independently but which can be easily and seamlessly integrated into the overall application. This session concentrates on the basic concepts required to build a composite application with the Microsoft Patterns and Practices Prism framework which includes the bootstrapper, regions, modules, view composition, and different techniques for communicating between loosely couple components. Various development patterns and technologies will also be discussed including Inversion of Control (IoC), Dependency Injection (DI), Unity, MEF (Managed Extensibility Framework), commanding, event aggregation, and MVVM (Model-View-ViewModel).

#### You will learn:

- How to build modular XAML applications by leveraging the Microsoft Patterns and Practices Prism library
- Common development and design patterns such as Inversion of Control, Dependency Injection, Service Locator, MVVM, Commanding, and Event aggregation
- How to target development for multiple XAML platforms and reuse major portions of your application code

### ■ LTH30 Implementing MVVM (Model-View-View Model) for WPF

– Advanced

Philip Japikse

Thursday, March 13

3:00 – 4:15pm

The Model-View-ViewModel adaptation of the Presentation Model pattern has proven itself in XAML based technologies. Now it's time to reap the benefit in JavaScript and WinJS. In this session Philip will show you how to build ViewModels out of your Models, and apply them to Views in WinJS for Windows Store Application development. This session assumes a working knowledge of JavaScript, HTML, and at least introductory WinJS experience.

#### You will learn:

- The MVVM Pattern and why/when to use it
- Applying the MVVM Pattern to Windows 8.1 HTML/WinJS development
- Leveraging the pattern to make more compelling and friendly user experiences



## VISUAL STUDIO LIVE! | SESSION DESCRIPTION BY TRACK

### CLLOUD COMPUTING

A growing number of IT practitioners believe the future of application development is service-based and in the cloud. Cloud computing offers flexible scalability and can provide a less expensive way to host many applications. Even if you aren't ready for Windows Azure yet, you owe it to yourself to become familiar with cloud computing and the services approach to development. This track includes coverage of the following:

- Getting up to speed with Windows Azure
- Windows Azure Mobile Services
- Programming in node.js
- Windows Azure Services for Windows 8

#### ■ LT03 Introduction to Windows Azure

– *Introductory*

**Vishwas Lele**

Tuesday, March 11

9:15 – 10:30am

Windows Azure is Microsoft's application platform for the public cloud. You can use this platform in many different ways. For instance, you can use Windows Azure to build a web application that runs and stores its data in Windows Azure datacenters. You can use Windows Azure to create virtual machines for development and test or to run SharePoint and other applications. You can use Windows Azure just to store data, with the applications that use this data running on-premises (that is, outside the public cloud). You can use Windows Azure to build massively scalable applications with lots and lots of users. In this session we will go over many of such practical examples that can help you get started with Windows Azure. No prior experience in Windows Azure is needed.

**You will learn:**

- Introduction to Cloud Computing
- Overview of Windows Azure Platform (including latest enhancements in VS 2013)
- Real world applications of Windows Azure

#### ■ LT10 Windows Azure Cloud Services

– *Introductory*

**Vishwas Lele**

Tuesday, March 11

10:45am – 12:00pm

Using cloud services customers can quickly deploy and manage powerful applications. Simply upload your application and Windows Azure handles the deployment details - from provisioning and load balancing to health monitoring for continuous availability. Your application is backed by an industry leading 99.95% monthly SLA. You just focus on the application and not the infrastructure. In this session, using code examples in VS 2013 and latest Windows Azure SDK, you will learn about the benefits of cloud services and how you can use it in your applications.

**You will learn:**

- Introduction to cloud services
- Scalability with cloud services
- Modern cloud architectures with cloud services
- Monitor, alert and auto scale with cloud services

#### ■ LT21 WCF & Web API: Can We All Just Get Along?!? – *Introductory / Intermediate*

**Miguel Castro**

Tuesday, March 11

2:30 – 3:45pm

By now I'm sure you've been told by many peers that you shouldn't be using WCF anymore in favor of the Web API, or that WCF is dead, or some other dumb piece of advice. I can assure you that rumors of such a demise have been greatly exaggerated. So let's set the record straight, folks. These two technologies have a different purpose, and while there is some overlap, each has its strengths and its weaknesses. Each has its place and most service-oriented systems benefit from having both involved. In this session, I'll give you a full comparison of those strengths and weaknesses which each technology carries, and how to make them work side-by-side in your SO-applications. Maybe together, we can stop all this hate.

**You will learn:**

- Understanding key differences between the two technologies
- Highlighting the strengths and weaknesses
- Integrating the two together

#### ■ LT28 Windows Azure Web Sites

– *Intermediate*

**Vishwas Lele**

Tuesday, March 11

4:15 – 5:30pm

Windows Azure Web Sites is one of the fastest growing services on the Windows Azure Platform. It provides a flexible and scalable hosting solution for web applications on top of Windows Azure. In this session we'll review why Windows Azure Websites is the best platform for hosting your web applications and provide detail on the design and architecture behind the service.

**You will learn:**

- Detailed architectural overview of Windows Azure Web sites
- Building modern web apps with Windows Azure Web Sites VS 2013 enhancements
- Continuous integration with Windows Azure Web Sites



## VISUAL STUDIO LIVE! | SESSION DESCRIPTION BY TRACK

### ■ LW03 Overview of IaaS in Windows Azure with Virtual Machines – *Introductory*

**Eric D. Boyd**

Wednesday, March 12

9:15 – 10:30am

Windows Azure is a great cloud platform for scalable, on-demand computing power. However, there are scenarios that are not supported by Windows Azure's Cloud Service web and worker roles. In this session, we will explore the traditional Windows Azure web and worker compute roles and walk through the common challenges encountered when using these. We will explore the architecture and internals of Windows Azure, and then explore Virtual Machines and the scenarios that are enabled with a stateful OS in the Cloud. We will walk through the lifecycle of installing, configuring and deploying a Virtual Machine to Windows Azure and we'll consider the tradeoffs and alternatives to using Virtual Machines vs. Cloud Services. Finally, we will take a look at what's new in Virtual Machines and how to get started.

You will learn the limitations of traditional Web and Worker Roles in Windows Azure Cloud Services.

### ■ LW10 Building Real-time, Multi-user Interactive Web and Mobile Applications Using SignalR – *Intermediate*

**Marcel de Vries**

Wednesday, March 12

10:45am – 12:00pm

Ever wanted to build a web application that can show real time events as they are happening? Ever wanted to share real time events between multiple browser windows? Want to have a technology that can be used in both web and mobile apps? Then SignalR might be what you are looking for! This new open source technology will abstract away all complexities involved on making real time events happen in your application. SignalR technology enables you to distribute real time events across multiple versions of browsers and provides you with a programming framework that is accessible from all common platforms. You want to send a message from your phone to a web browser client

or vice versa? It is all possible with SignalR. In this session I will show you what SignalR is and in a set of Step by Step demos, I will show you how the framework can be applied from different platforms like iOS, Android and Windows (Phone) 8 apps, Web browser clients (all common browsers) and server processes.

#### You will learn:

- What SignalR technology can bring to your apps and sites
- SignalR architecture and underlying technologies
- How to use SignalR in a web based scenario
- How to use SignalR from C# in applications or services
- How to use SignalR in a cross platform environment like Xamarin.iOS and Xamarin.Android (previously known as Mono touch and Mono for Android)

### ■ LW17 Persistence in the Cloud: How to Use Azure Storage – *Introductory*

**David Giard**

Wednesday, March 12

1:15 – 2:30pm

Azure Storage allows you to store data in the cloud in a way that is durable, scalable, and highly-available. Azure Storage provides queues, blobs, and tables in which to store data. In this session, you will learn about each of these storage mechanisms and how to access them from your .NET and Windows Azure applications.

#### You will learn:

- Azure tables
- Azure queues
- Azure blobs

### ■ LW24 Building Services with ASP.NET MVC Web API Deep Dive – *Intermediate*

**Marcel de Vries**

Wednesday, March 12

2:45 – 4:00pm

ASP.NET MVC provides a technology called web API. Web API is designed to build services leveraging the fundamental concepts of the HTTP protocol better known as REST. In this session I will start with an overview of HTTP and REST fundamentals and show you how you can build services that leverage those concepts. I will show two distinct approaches in building services, one for reach and as close as possible to REST (a.k.a RESTful). After we know how to build services in different styles I will show you how Web API can be changed and extended in its behavior using the HTTPConfiguration, change dependency resolving and building your own MediaType Formatters. After attending this session you'll know all you need to know about ASP.NET MVC Web API

#### You will learn:

- Understand the architecture of ASP.NET WebAPI
- How to build a REST service
- The difference between REST and RESTful API's
- How to extend WebAPI

### ■ LW31 Debugging and Monitoring Windows Azure Cloud Services

– *Intermediate*

**Eric D. Boyd**

Wednesday, March 12

4:30 – 5:45pm

Windows Azure Cloud Services is an awesome platform for developers to deliver applications in the cloud without needing to manage virtual machines. However, the abstraction that gives you this simplified deployment and scale prevents you from attaching a Visual Studio Remote Debugger. Sometimes you need visibility into the execution of your production applications. What if you could replay the real production usage with the exact call sequence and variable values using the Visual Studio Debugger? What if

## VISUAL STUDIO LIVE! | SESSION DESCRIPTION BY TRACK

you could collect production metrics that would help you identify performance bottlenecks and slow code?

In this session, Eric Boyd will walk you through debugging and monitoring real-world Windows Azure applications. Eric will show you how to collect diagnostics like Event Logs, Perf Counters, IIS Logs, and even file-based logs from running Windows Azure compute instances. Next, Eric will also show you how to debug your production Windows Azure services using IntelliTrace's black box recording capabilities. Lastly, you will learn how to collect CLR-level diagnostics and performance metrics without instrumenting your code using tools like AppDynamics and New Relic. If you feel like Windows Azure Cloud Services are a black box when debugging issues and solving performance problems, you will leave this session feeling like Windows Azure is radically more transparent and easier to debug than the applications in your own data center.

You will learn how to debug applications in Windows Azure Cloud Services.



### WINDOWS PHONE

Windows Phone (WP) now has more than 100,000 apps in its marketplace. Microsoft's acquisition of Nokia's Windows Phone business demonstrates their commitment to the platform. This track includes coverage of:

- Getting started with WP
- Using Azure services with WP development

#### ■ LW01 Getting Started with Windows Phone Development – Introductory Nick Landry

Wednesday, March 12

9:15 – 10:30am

This session is your fast track into the new wonderful world of Windows Phone development. Come learn how your valuable .NET and Silverlight skills now make you a hot mobile developer. We'll perform a quick lap around Microsoft Visual Studio and the Windows Phone SDK, build our first app using XAML & C#, and debug it with the Windows Phone Emulator. We'll then explore the various Windows Phone SDK services and features, such as touch gestures, accelerometers, Live Tiles, speech, location & maps, and more. We'll also explore various toolkits and frameworks available to you for free to augment your development experience and productivity. It's time to drop that "other" phone. Pick-up a phone you will actually enjoy coding for. If you've waited this long to jump on board the mobility bandwagon, wait no more: This is the mobile platform you always wanted!

#### You will learn:

- The basics of the Windows Phone SDK, how to get started in mobile development and the available tools, including the emulator
- How to design a Windows Phone user interface with XAML in Visual Studio, which controls are available, how to extend the controls toolbox, and more
- About Windows Phone specific development features like touch gestures, accelerometers, Live Tiles, speech, notifications, location, mobile data access and more

#### ■ LW08 Developing Windows Phone Apps with Azure – Introductory Rockford Lhotka

Wednesday, March 12

10:45am – 12:00pm

Microsoft Azure Mobile Services and other Microsoft cloud services such as SkyDrive offer powerful capabilities when creating modern apps, including those on the Windows Phone. In this session you will learn how to make use of Azure services to create compelling Windows Phone apps.

### CROSS PLATFORM MOBILE DEVELOPMENT

Mobile clients are becoming a common way for users to interact with each other, their organizations, and their business applications. Mobile apps might be native client apps or mobile Web sites, and they often make use of cloud-based data and services. This track includes:

- Using Xamarin tools to leverage your C# code on iOS and Android
- Sharing code between iOS, Android, Windows Phone, and Windows 8
- Using Push Notification Services across mobile platforms

#### ■ LW15 Cross Platform Native Mobile App Development for iOS, Android and Windows Using the Power of C# – Introductory / Intermediate

Wednesday, March 12

1:15 – 2:30pm

So you need to build a mobile app but have been a C# developer for a long time. What are your options? Should you build a mobile app using the web approach with HTML and JavaScript? Or do you need to learn objective C for iOS, or perhaps Java to build an Android app? Do you need to learn all those different languages and frameworks to build mobile apps or are there other options as a C# developer?

## VISUAL STUDIO LIVE! | SESSION DESCRIPTION BY TRACK

Fortunately there are! The option that stands out for you as a C# developer is the option to build Native apps using C#. This is possible by using Visual Studio and the toolset from Xamarin, a company that has been behind the Mono .NET implementation that enables .NET on Linux. With the hype around mobile app development, Xamarin developed a powerful toolset that now enables .NET developers to build native apps in C#. Xamarin makes this happen by providing a language projection of the native platform libraries (android or iOS) to C# and an implementation of the .NET framework that runs on that device. This enables you to write full .NET apps with the native libraries plus the power of C# and the .NET framework. You can now leverage language constructs as async/await, LINQ and libraries as WCF and the Base class libraries and combine that with the native mobile libraries available on the platforms.

In this session I will show you how you can build Mobile Apps using the Xamarin toolset. I will show you the basics of App development for the different app stacks and build a simple application to prove the concepts and the way you can bridge platform differences and share code across the different platforms.

After attending this session you will have a good understanding of what the Xamarin toolset can offer and will be able to start building your own first simple project. I will show you basic mobile application platform concepts like using the GPS sensor and show you how you can abstract the platform differences in such a way that you can share most of your code between the different platforms. In this session I will also incorporate the windows platform, so you know how to target all major platform players in this space.

### ■ LW22 Mobile App Development for the Web Developer Using PhoneGap

– *Introductory / Intermediate*

**Eric D. Boyd**

Wednesday, March 12

2:45 – 4:00pm

Developing mobile apps is very attractive for many reasons, but the cost and time investment to get started is intimidating for most. However, if you are a web developer with HTML, JavaScript and CSS skills, you can repurpose your existing knowledge and tools to create great mobile apps using PhoneGap and Apache Cordova. In this session, you will learn about Apache Cordova/PhoneGap, how it works and how to get started from a Windows PC using Telerik's Icenium. You will learn how to build native experience mobile apps using HTML5 and how to accelerate your development by utilizing JavaScript libraries like jQuery Mobile, Kendo UI Mobile, Knockout. Throughout this session, Eric will also share some of the lessons he and his team have learned building real-world, production mobile apps using PhoneGap.

#### You will learn:

- How to get started with PhoneGap and Apache Cordova using Telerik Icenium
- How to develop cross-platform mobile apps using HTML5, JavaScript and CSS
- Lessons learned from building real-world, production mobile apps using PhoneGap

### ■ LW29 iOS Development Survival Guide for the .NET Guy – *Introductory*

**Nick Landry**

Wednesday, March 12

4:30 – 5:45pm

You've been a .NET developer for the last 10 years. You love Visual Studio. You can spit out C# like a boy scout can tie a knot. But now your boss wants you to build an iPad app for the company. Or maybe you got a good deal on a Mac on eBay and you'll finally write that cool iPhone app that will top the other 600K in the iOS App Store. So where do you get started? What development environment do you use?

How do you write apps in Objective-C compared to C#? What other tools & libraries can you use?

This session is your survival guide to the world of iOS development as seen from the eyes of a .NET developer. We'll start from the basics and build our first iOS app, using analogies and comparisons from the familiar world of Visual Studio and .NET as our guide. We'll also discuss how to structure our app project, how to test & deploy our app, and we'll even take a quick look at some of the new developer features in iOS 7. You'll learn to blend in with the Apple crowd and talk like a true native in no time! If you've ever considered dipping your toes in the iWaters, this session is your chance to take your first dive.

#### You will learn:

- The basics of iOS development, Objective-C and Xcode
- The differences between .NET and iOS from a development point of view
- How to design & build simple applications for iPhone and iPad



Web Dev **LIVE!** AGENDA AT-A-GLANCE | MONDAY & TUESDAY  
HTML5, JAVASCRIPT & ASP.NET TRAINING

ASP.NET		HTML 5		Mobile Web		JavaScript	
<b>Pre-Conference Workshops: Monday, March 10, 2014 (Separate entry fee required)</b>							
7:30 am	9:00 pm	Pre-Conference Workshop Registration - Coffee and Morning Pastries					
9:00 am	6:00 Pm	<b>LWM03</b> Workshop: Data-Centric Single Page Applications with Knockout, Durandal, Breeze, and Web API - <i>Brian Noyes</i>					
7:00 pm	9:00 Pm	Dine-A-Round Dinner					
<b>Day 1: Tuesday, March 11, 2014</b>							
7:00 am	8:00 am	Registration - Coffee and Morning Pastries					
8:00 am	9:00 am	Keynote: Modern Development with Visual Studio. <i>Nicole Herskowitz, Sr. Director, Visual Studio, Microsoft</i>					
9:15 am	10:30 am	<b>LT04</b> HTML5 for Better Web Sites - <i>Robert Boedigheimer</i>			<b>LT05</b> One ASP.NET - Game Changers for 2013- <i>Jesse Liberty</i>		
10:45 am	12:00 pm	<b>LT11</b> 12 Things Every Developer Really Needs to Know About JavaScript - <i>Rachel Appel</i>			<b>LT12</b> What's New in MVC 5 - <i>Miguel Castro</i>		
12:00 pm	1:15 pm	Lunch • Visit the EXPO					
1:15 pm	2:15 pm	<b>LT16</b> Chalk Talk: Introduction to Neural Networks and Speech Recognition with C# - <i>James McCaffrey</i>					
2:30 pm	3:45 pm	<b>LT22</b> Great User Experiences with CSS 3 - <i>Robert Boedigheimer</i>			<b>LT23</b> Build Real Time Websites with SignalR - <i>Rachel Appel</i>		
3:45 pm	4:15 pm	Networking Break • Visit the EXPO					
4:15 pm	5:30 pm	<b>LT29</b> Writing Next Generation Javascript with TypeScript - <i>Rachel Appel</i>			<b>LT30</b> What's New in Web API 2 - <i>Miguel Castro</i>		
5:30 pm	7:00 pm	Welcome Reception					

**“This was my first conference. I was totally blown away with the information I am taking back with me. I highly recommend this conference to anyone who is serious about developing software.”**

– Edward Mendez, Senior Developer , Demandata System

Web Dev **LIVE!** AGENDA AT-A-GLANCE | WEDNESDAY – FRIDAY  
HTML5, JAVASCRIPT & ASP.NET TRAINING

ASP.NET		HTML 5	Mobile Web	JavaScript
<b>Day 2: Wednesday, March 12, 2014</b>				
7:00 am	8:00 am	Registration - Coffee and Morning Pastries		
8:00 am	9:00 am	Keynote: To Be Announced		
9:15 am	10:30 am	<b>LW04</b> Using jQuery to Replace the Ajax Control Toolkit - <i>Robert Boedigheimer</i>	<b>LW05</b> Going Native with KendoUI Mobile - <i>Keith Burnell</i>	
10:45 am	12:00 pm	<b>LW11</b> Building Web Applications Using Kendo UI and the MVVM Pattern - <i>Ben Hoelting</i>	<b>LW12</b> Building Cross-Platform Phone Apps & Sites with jQuery Mobile - <i>Nick Landry</i>	
12:00 pm	1:15 pm	Birds-of-a-Feather Lunch • Visit the EXPO		
1:15 pm	2:30 pm	<b>LW18</b> Angular for .NET Developers - <i>Jesse Liberty</i>	<b>LW19</b> Tips for Building Multi-Touch Enabled Web Sites - <i>Ben Hoelting</i>	
2:45 pm	4:00 pm	<b>LW25</b> Build Your First Angular Web Application - <i>Matthew DiFranco</i>	<b>LW26</b> Build Once Deploy Everywhere with Icenium from Telerik - <i>Ben Hoelting</i>	
4:00 pm	4:30 pm	Sponsored Break • Visit the EXPO • Expo Raffle @ 4:15Pm		
4:30 pm	5:45 pm	<b>LW32</b> Connecting the Dots: Using HTML5, jQuery, and Web API Together - <i>David Giard</i>	<b>LW33</b> Building OData Services with ASP.NET Web API - <i>Brian Noyes</i>	
7:00 pm	9:00 pm	Live! 360 Evening Event		
<b>Day 3: Thursday, March 13, 2014</b>				
7:00 am	8:00 am	Registration - Coffee and Morning Pastries		
8:00 am	9:15 am	<b>LTH04</b> Knocking it Out of the Park with Knockout.JS - <i>Miguel Castro</i>	<b>LTH05</b> Slice Development Time with ASP.NET MVC, Visual Studio, and Razor - <i>Philip Japikse</i>	
9:30 am	10:45 am	<b>LTH11</b> Structuring Your Single Page Application with Durandal - <i>Brian Noyes</i>	<b>LTH12</b> OWIN and Katana: The New HTTP Host for .NET Web Applications - <i>Brock Allen</i>	
11:00 am	12:15 pm	<b>LTH18</b> Create an API For Your Application With Service Stack - <i>Jesse Liberty</i>	<b>LTH19</b> Creating Map Centric Web Applications with HTML5 and JavaScript - <i>Ben Ramseth</i>	
12:15 pm	1:30 pm	Lunch		
1:30 pm	2:45 pm	<b>LTH25</b> Busy Developer's Guide to Node.js - <i>Ted Neward</i>	<b>LTH26</b> Internals of Security for Web Applications in Visual Studio 2013 - <i>Brock Allen</i>	
3:00 pm	4:15 pm	<b>LTH32</b> Busy Developer's Guide to Everything Not-JavaScript - <i>Ted Neward</i>	<b>LTH33</b> Identity Management in ASP.NET - <i>Brock Allen</i>	
<b>Post-Conference Workshops: Friday, March 14, 2014 (Separate entry fee required)</b>				
7:30 am	8:00 am	Post-Conference Workshop Registration - Coffee and Morning Pastries		
8:00 am	5:00 pm	<b>LWF03</b> Workshop: Busy Developer's Guide to AngularJS - <i>Ted Neward</i>		

Web Dev  LIVE! 360 DEV WORKSHOPS | WEB DEV LIVE!  
HTML5, JAVASCRIPT & ASP.NET TRAINING

■ **LWM03 Workshop: Data-Centric Single Page Applications with Knockout, Durandal, Breeze, and Web API**

– Introductory / Intermediate

**Brian Noyes**

Monday, March 10

9:00am – 6:00pm

By the end of the day, you will know how to build out the vertical slices of your HTML SPA app from top to bottom.

You need to build an HTML client app either to package as a mobile app for multiple platforms or for use in a browser, and there is a lot of data presentation and manipulation involved. You may be fully embracing the Single Page Application (SPA) architecture, or you may just have some highly interactive and data-centric pages you need to implement. You want to make sure you end up with good, clean, maintainable, testable, and easy to client and server side code.

This workshop will take you end-to-end, showing you how to put together a rich data driven HTML client interface using Knockout and Durandal to separate the UI data manipulation, loading and saving from the presentation markup, using Breeze to do the heavy lifting on making the service calls for you, tracking changes on the entities, sending changes to the server side in batches, and more. Then you'll also see how to set up the server side using ASP.NET Web API to expose the services consumed by your client. By the end of the day, you will know how to build out the vertical slices of your app from top to bottom.

**You will learn:**

- How to do data binding in HTML client side applications with KnockoutJS
- How to structure views, view models, and navigation with Durandal
- How to simplify AJAX data access via services with Breeze

■ **LWF03 Workshop: Building Single Page Web Apps with AngularJS – Introductory**

**Ted Neward**

Friday, March 14

8:00am – 5:00pm

AngularJS is an open-source MVC JavaScript framework being developed by Google, and is quickly becoming one of the more well-recognized ones in the space. In this workshop, we're going to roll up our figurative sleeves and get down and dirty with Angular, starting from scratch; bring a laptop, because this is going to be a slide-light, code-heavy trapeze through some of the basics of Angular, including some of the more popular extensions and libraries that Angular has spawned, to give you a serious look at Angular, either as part of evaluating it against other frameworks, or as a first step towards learning to use it for a project back home.

Note: since this workshop is at the end of the week, intensity will be focused more at the start of the workshop in order to accommodate those who have Friday afternoon flights. Be ready.



**“Love the format and flexibility – didn't feel like I missed anything this week. And the speakers are all excellent! This conference has had a huge positive impact on my career.”**

–Thomas Offen, Web Developer, Foresight Innovation

WEB DEV LIVE! | SESSION DESCRIPTION BY TRACK

## ASP.NET

Microsoft continues to put a lot of investment into improving ASP.NET, now with the "One ASP.NET" initiative. ASP.NET now more seamlessly allows you to create Web sites that leverage Web Forms, MVC, and Web API as needed to meet your application requirements. This track includes:

- ASP.NET MVC 5
- ASP.NET Web Forms
- ASP.NET Web API
- SignalR
- OWIN and Katana: the new HTTP host model



### ■ LT05 One ASP.NET - Game Changers for 2013 – Intermediate

Jesse Liberty

Tuesday, March 11

9:15 – 10:30am

Review and discussion of the new features in ASP.NET and Visual Studio 2013, including the integration of One ASP.NET, security improvements, new scaffolding, and Integrated Azure management, as well as BrowserLink, Bootstrap and integrated Git Source control.

**You will learn:**

- An overview of the set of changes to ASP.NET in general and One ASP.NET in particular
- About new features in ASP.NET that make creating a web application easier
- About new features that integrate Bootstrap and other libraries into creating ASP.NET applications
- About powerful new features for creating and debugging web applications

### ■ LT12 What's New in MVC 5

– Intermediate

Miguel Castro

Tuesday, March 11

10:45am – 12:00pm

Well it's that time again where we get another new release from Microsoft on a series of platforms. Happily, the particular platform I'm talking about here is one that just keeps getting better and better, ASP.NET MVC. For the most part, the code you write is not changing so fear not, but there are some pretty cool additions I want to talk to you about; among which are Katana/Owin, Bootstrap, Security features, Scaffolding, and my favorite feature of all, Attribute Routing. So join me and let's see stir the pot of web development, yet again!

**You will learn:**

- What's changed and what's new with MVC 5
- Developer techniques for using new features

### ■ LT23 Build Real Time Websites with SignalR – Introductory

Rachel Appel

Tuesday, March 11

2:30 – 3:45pm

If you've ever wanted to build a highly responsive app that leverages a real time communications library, then SignalR is for you. SignalR is an ASP.NET framework that you can use to build real time, or asynchronous, scalable, websites and apps. In this session you'll learn how to get started learning SignalR and building a basic real time communications app with it.

**You will learn:**

- About why and when you need real time communications and how to achieve it
- The basics of SignalR
- About async vs. sync programming models

### ■ LT30 What's New in Web API 2

– Intermediate

Miguel Castro

Tuesday, March 11

4:15 – 5:30pm

Well if you thought you had new stuff to learn with MVC 5, you're not done learning if you're also a Web API developer. But as in the case with MVC, the new Web API 2 stuff includes welcome additions like External Authentication, Katana hosting, and the most-awesome Attribute Routing. And if you're into OData, there are also some new options to help shape your responses even further. Whether you think Web API is "Restful" or not, it's still totally cool and a must-know for any developer today, and part 2 makes it even better.

**You will learn:**

- What's changed and what's new with Web API 2
- Developer techniques for using new features



**WEB DEV LIVE!** | SESSION DESCRIPTION BY TRACK

**■ LW33 Building OData Services with ASP.NET Web API – Intermediate**  
**Brian Noyes**

Wednesday, March 12

4:30 – 5:45pm

ASP.NET Web API offers several ways to expose data-centric services. You can expose resources based on strongly typed entity collections for CRUD operations. You can support OData query syntax and can include formatters for OData as well. In this session you will learn how to leverage these capabilities, what OData is all about and its benefits, and when to when to choose which approach. You will learn how OData queries can allow clients to shape their own queries and benefit from deferred execution on the server side, as well as why OData formatting makes your services more consumable. You will also learn about new Web API OData features being released with VS 2013 - projection queries with select, eager loading with extend, and batch updating.

**You will learn:**

- Why OData is a good choice for multi-platform client data services
- How to support rich queries from the client that execute on the server
- How to use new Web API OData features released with Visual Studio 2013



**■ LTH05 Slice Development Time with ASP.NET MVC, Visual Studio, and Razor – Intermediate**  
**Philip Japikse**

Thursday, March 13

8:00 – 9:15am

ASP.NET MVC3 introduced the Razor View Engine and a host of productivity improvements. Philip will show you how to speed development with Visual Studio MVC features as well as the Razor View Engine to cut repetitive tasks to shreds.

**You will learn:**

- Create custom scaffolding
- Create custom Project Templates
- Leverage Razor for faster development

**■ LTH12 OWIN and Katana: The New HTTP Host for .NET Web Applications – Introductory / Intermediate**  
**Brock Allen**

Thursday, March 13

9:30 – 10:45am

OWIN is a fairly new specification for modelling a HTTP server API for hosting web applications. The intent is to decouple the host from the application with the goal of providing a simpler programming model with potentially better performance than traditional web servers. While OWIN is a specification, Katana is Microsoft's implementation of an OWIN host. In this session we will further discuss OWIN, Katana and how to write applications and middleware that take advantage of this new and exciting hosting environment.

**■ LTH26 Internals of Security for Web Applications in Visual Studio 2013 – Introductory / Intermediate**  
**Brock Allen**

Thursday, March 13

1:30 – 2:45pm

Security is crucial for online applications. This session on security discusses the basics of web security and then the

internals of authentication in Microsoft's OWIN framework called Katana. We will see how the new cookie authentication middleware manages user authentication and supports rich identity information using claims. We will then see how ASP.NET (both MVC and WebForms) integrates with this new security framework by examining the code generated from Visual Studio 2013's new ASP.NET project templates.

**You will learn:**

- Clear understanding of the right way to secure authentication for web applications
- Clear understanding of how Microsoft's cookie middleware implements authentication for web applications
- Clear understanding how to use Microsoft's cookie middleware in ASP.NET web application code

**■ LTH33 Identity Management in ASP.NET – Introductory / Intermediate**  
**Brock Allen**

Thursday, March 13

3:00 – 4:15pm

Identity management is the unglamorous (yet extremely important) task of managing account information for users (including passwords). Identity management in ASP.NET has had an interesting and somewhat tumultuous history, but in this session we will focus on Microsoft's newest framework called ASP.NET Identity. We will discuss the important characteristics of proper identity management and then we'll survey the pros and cons of ASP.NET Identity. We will see how ASP.NET Identity provides support for password management, claims-based identity, external login providers, custom validation as well as customized storage.

**You will learn:**

- What are the important features for identity management
- What features ASP.NET Identity provides for identity management
- How to customize ASP.NET Identity

## WEB DEV LIVE! | SESSION DESCRIPTION BY TRACK

### HTML5

HTML5 is rapidly becoming the standard for Web site and Web app UI design and implementation. Combining the new HTML markup with powerful new CSS and JavaScript capabilities allows client-side Web developers to create rich and compelling experiences for users. This track includes:

- Building better Web sites with HTML5
- Leveraging CSS 3 to create great user experiences
- Using client-side libraries such as KendoUI and jQuery

### ■ LT04 HTML5 for Better Web Sites

– *Intermediate*

**Robert Boedigheimer**

Tuesday, March 11

9:15 – 10:30am

The latest version of HTML is not completely standardized yet, but there are parts that are available in the latest version of browsers. There are many new elements; including those that provide more semantic meaning to common div elements (like header, footer, etc.). A new canvas can be used for drawing, while the audio and video provide new multimedia capabilities. New input types are utilized by devices to provide context sensitive keyboards and improved usability. The new application caching and web storage provide the capability for disconnected web sites for smartphones and tablets. Learn about support for HTML5 in major browsers, and see how Modernizr can provide feature detection and smooth fallbacks via various polyfills.

**You will learn:**

- New elements
- New input types
- Modernizr and polyfills for older browsers

### ■ LT22 Great User Experiences with CSS 3

– *Intermediate*

**Robert Boedigheimer**

Tuesday, March 11

2:30 – 3:45pm

CSS 3 provides many new features such as rounded corners, opacity, rgba, web fonts, transitions, transforms, box shadows, multiple background images, and much more. Review what current browser support is for CSS 3, and learn how to provide support in older browsers. Learn about vendor prefixes, why they are used, and a strategy for utilize them while preparing for the future standardized versions. Discover how media queries have been expanded to provide a foundation for responsive web design and multi device support.

**You will learn:**

- Add style to existing pages
- Use transitions and transformations for a more dynamic site
- Vendor prefixes (and strategies)
- Media queries and multi device support



### ■ LW04 Using jQuery to Replace the Ajax Control Toolkit – *Intermediate*

**Robert Boedigheimer**

Wednesday, March 12

9:15 – 10:30am

Many ASP.NET web sites first added client side functionality through the Ajax Control Toolkit (ACT), and now want to replace it with the popular jQuery framework. Learn the benefits of moving to jQuery, and discover a mapping between popular ACT controls and jQuery plugins.

**You will learn:**

- Review the basics of jQuery and plugins
- Review benefits of jQuery vs. Ajax Control Toolkit
- Discover jQuery alternatives for many ACT controls

### ■ LW11 Building Web Applications Using Kendo UI and the MVVM Pattern

– *Introductory / Intermediate*

**Ben Hoelting**

Wednesday, March 12

10:45am – 12:00pm

XAML developers love the Model-View-View-Model (MVVM) pattern. Kendo UI is a JavaScript framework that enables this pattern for web based applications. It takes the client side coding model developers are familiar with and provides it to the web world. This talk will define the MVVM pattern and the benefits of using it. It will also show how you can use Kendo UI and ASP.NET to build responsive, robust applications that feel like desktop applications.

**You will learn:**

- MVVM Pattern
- Kendo UI and why to use it
- How to wire up Kendo UI and ASP.NET

## WEB DEV LIVE! | SESSION DESCRIPTION BY TRACK

### MOBILE WEB

As mobile devices rapidly become the primary way users interact with the world it becomes important for Web developers (of Web sites and Web apps) to provide mobile users with the kinds of experiences they desire. This track includes:

- Supporting touch in Web sites
- Use of hybrid technologies such as Icenium
- Client-side component libraries such as KendoUI and jQuery Mobile

### ■ LW05 Going Native with KendoUI Mobile – Intermediate

**Keith Burnell**

Wednesday, March 12

9:15 – 10:30am

The number of people using their smartphones or tablets to access the web has grown to the point where having a presence on mobile devices has become a must for anyone with a website. But to be truly successful your mobile presence has to differentiate itself from the mobile web entirely and straddle that line between web and native application. In the past this meant having specific styles and often views for each specific mobile platform you wanted to target, but this is no longer necessary thanks to Kendo UI Mobile.

In this talk Keith will demonstrate how using HTML5 and Kendo UI Mobile you can write one application with a single set of styles and views that looks truly native on iOS, Android, and Blackberry. Keith will walk through creating a mobile application from start to finish including how to use PhoneGap to package and deploy your website to the major mobile application stores.

**You will learn:**

- You don't have to use Objective-C and Java
- You can leverage your web skills
- You can provide a native UI for each platform without a ton of work

### ■ LW12 Building Cross-Platform Phone Apps & Sites with jQuery Mobile – Intermediate

**Nick Landry**

Wednesday, March 12

10:45am – 12:00pm

Native mobile apps have taken the spotlight in recent years thanks to the introduction of hundreds of thousands of apps in various app stores from Apple, Google, Microsoft and BlackBerry. Apps offer a great native platform experience, but they can be expensive to build and require specific languages, SDKs and skill sets across multiple platforms. Mobile web sites offer a great way to engage with consumers and corporate workers alike without requiring the installation of any app.

This session explores the benefits of web development for smartphones using the most popular HTML5 & JavaScript framework for mobile: jQuery Mobile (JQM). We'll go over a quick primer on HTML5, CSS and JavaScript, followed by everything you need to get started with JQM. We'll cover the most common development environment options, how to build your first jQuery Mobile page, and how to debug your mobile web code with some of the available tools. We'll also discuss how to develop a native-like experience on each mobile platform thanks to JQM's adaptive rendering, and how you wrap a JQM project as a deployable application using PhoneGap. Web development is a critical skill required by every mobile developer; come learn how to get started and reach hundreds of millions of users through a smart mobile web approach.

**You will learn:**

- About the basic principles web development with HTML5, CSS and JavaScript
- About the jQuery Mobile Open Source JavaScript Framework and how to build Mobile apps with it
- About the UI design considerations across smartphone platforms and how to wrap JQM apps into deployable apps using PhoneGap

### ■ LW19 Tips for Building Multi-Touch Enabled Web Sites – Intermediate

**Ben Hoelting**

Wednesday, March 12

1:15 – 2:30pm

Modern browsers take huge strides to enable multi-touch browsing. They also include many new HTML5 enabled capabilities that speed up the web and provide a more interactive experience. Internet Explorer has made huge strides in these areas. As web application designers\developers, we need to understand these capabilities and build our applications to take advantage of them. This session will define these new capabilities and provide some tips and tricks on how to use them effectively in your web applications.

**You will learn:**

- The new multi-touch enabled capabilities of modern browsers
- The new HTML5\CSS3 capabilities of modern browsers
- Tips and Tricks for using these capabilities



## WEB DEV LIVE! | SESSION DESCRIPTION BY TRACK

### ■ LW26 Build Once Deploy Everywhere with Icenium from Telerik

– *Intermediate / Advanced*

**Ben Hoelting**

Wednesday, March 12

2:45 – 4:00pm

Icenium from Telerik is a HTML5/CSS3/JavaScript based tool for developing hybrid mobile applications. Hybrid mobile applications are most commonly built using PhoneGap, which interprets the HTML5/CSS3/JavaScript and compiles it into a package that can be delivered in the app stores. Icenium wraps PhoneGap and provides a more intuitive way to build HTML5/CSS3/JavaScript based mobile applications. If you are looking to expand your .NET and web based development skills into the mobile market, this is the session for you.

#### You will learn:

- What a hybrid mobile apps can do
- How Icenium helps build a hybrid mobile app
- How you can leverage your current web knowledge and assets to create a mobile app



## JAVASCRIPT

JavaScript is becoming the basis for a new breed of smart client applications, sometimes called single page applications (SPAs). This is an exciting area for developers, requiring a new understanding of "Web technologies" as they become used for smart client development. Many tools, languages, and frameworks exist to help streamline development, including TypeScript, Angular, Knockout, jQuery, and more. This track includes:

- Languages such as JavaScript, TypeScript, DART, and CoffeeScript
- Frameworks such as Angular, Knockout, and jQuery
- Related services such as Web API
- Node.js for server-side JavaScript programming

### ■ LT11 12 Things Every Developer Really Needs to Know About JavaScript

– *Intermediate*

**Rachel Appel**

Tuesday, March 11

10:45am – 12:00pm

JavaScript can be a passive-aggressive and fickle beast. It lets you do things like declare variables wherever you want but doesn't tell you that it will hoist them while you're not looking. JavaScript's this keyword is anything but, and eval can turn good code to evil fast. In this session, we will discuss the top 12 common JavaScript headaches, mistakes, or quirks you just need to know as well as how you can avoid them. Learn what can trip you, like the this keyword, JavaScript scoping, evil Eval, and the use of the With statement (VB devs beware!). Alongside those gotchas is the fact that not all equality operators are created equal and how the innocent looking parseInt() causes farce parses, and this session will dig into all these language quirks and more!

You will learn JavaScript tricks and tips.

### ■ LT29 Writing Next Generation JavaScript with TypeScript – *Introductory*

**Rachel Appel**

Tuesday, March 11

4:15 – 5:30pm

TypeScript is JavaScript evolved so if you're writing in JavaScript, TypeScript is worth checking out. Come to this session and learn all about the TypeScript language from its object oriented features to its ES6-style capabilities. You also learn how to use TypeScript's language features that makes JavaScript application-scale and more manageable language for building websites and apps as well as how to leverage TypeScript in Visual Studio 2012.

#### You will learn:

- JavaScript
- TypeScript
- ES6

### ■ LW18 Angular for .NET Developers

– *Introductory / Intermediate*

**Jesse Liberty**

Wednesday, March 12

1:15 – 2:30pm

Coming from the XAML world? Angular is a natural fit for transitioning to web development.

#### You will learn:

- Angular and web development
- Angular and data binding
- Angular and the MVVM pattern

## WEB DEV LIVE! | SESSION DESCRIPTION BY TRACK

### ■ LW25 Build Your First Angular Web Application – Introductory / Intermediate Matthew DiFranco

Wednesday, March 12

2:45 – 4:00pm

Learning AngularJS can be confusing at first, but this session will help you understand the basics of AngularJS. AngularJS is a great new framework that allows you to use your favorite MV\* patterns. Come and get an introduction to AngularJS and before you know it you will be writing your own AngularJS applications.

#### You will learn:

- About AngularJS
- Why you should use AngularJS
- MVC Pattern in AngularJS
- Directives
- Two-Way Data Binding

### ■ LW32 Connecting the Dots: Using HTML5, jQuery, and Web API Together – Introductory / Intermediate David Giard

Wednesday, March 12

4:30 – 5:45pm

Today, users expect more out of web applications than ever before. They expect your web applications to be as rich and interactive as native applications. In this session, I will demonstrate how to use Web API to create RESTful web services; to call those services from client-side code with jQuery; and tie it together with HTML5. You will learn how to use the tools for building robust, interactive applications that run in a browser.

#### You will learn:

- HTML5
- jQuery
- Web API



### ■ LTH04 Knocking it Out of the Park with Knockout.JS – Introductory / Intermediate Miguel Castro

Thursday, March 13

8:00 – 9:15am

MVVM on the web... that works! If you don't know what Knockout.JS is, you really need to come see me show you the what's, how's, and why's. Knockout.JS lets you do real MVVM on your HTML. I'm talking about real two-way binding. And with the help of Web API and Ajax, you can overcome any shortcoming that cannot be totally handled on the client. So come see me and let's add another great tool to your web arsenal. You'll be on your way to doing single-page-applications on the web in no time.

#### You will learn:

- Understanding MVVM in the web world
- Using Knockout.JS in ASP.NET MVC
- Integrating Web API with Knockout.JS

### ■ LTH11 Structuring Your Single Page Application with Durandal – Introductory / Intermediate Brian Noyes

Thursday, March 13

9:30 – 10:45am

When you decide to build your HTML application as a SPA, you have a number of things to build, including views, view models, client side services and you have to figure out how to put all those together and get them tied together at runtime. Durandal is a JavaScript library that helps you do just that - it helps you use conventions for where your different kinds of client side JS types go and what they are named so that they can be easily loaded and tied together at runtime. You'll see how to use Durandal to get views and view models loaded up and tied together, how to navigate between child views in your SPA with deep linking through the URLs, and how to manage dependencies between the various types in your client side JavaScript.

#### You will learn:

- How to associate views and view models through conventions
- How to navigate between child views with Durandal
- How to manage dependencies between client modules

### ■ LTH18 Create an API for Your Application with ServiceStack – Intermediate Jesse Liberty

Thursday, March 13

11:00am – 12:15pm

Creating a Web Service or API for your application has traditionally been a difficult and tedious task. In this session Jesse will demonstrate how to create a complete API to a data-bound application in under one hour using ServiceStack.

#### You will learn:

- Understanding of the ServiceStack framework
- Working knowledge of creating a Web Service
- Working knowledge of using OrmLight

## WEB DEV LIVE! | SESSION DESCRIPTION BY TRACK

### ■ LTH19 Creating Map Centric Web Applications with HTML5 and JavaScript

– *Introductory*

**Ben Ramseth**

Thursday, March 13

11:00am – 12:15pm

In this session the presenter will explore the steps to building a map centric web application. This will be done using Esri's ArcGIS API for JavaScript. This API provides the JavaScript classes needed to build a robust web mapping application. This web application will communicate with REST endpoints available through Esri's ArcGIS Platform. The ArcGIS Platform provides many ways to visualize, store and analyze spatial data. Using HTML5/JS/CSS3, a web developer can build a cross platform map centric web application that will run in a browser on smartphones, tablets and desktop computers.

#### You will learn:

- Learn to add a map with navigation to a web application
- Explore ways to add data to the map
- Discover ways to query and analyze data
- Integrate HTML5 features

### ■ LTH25 Busy Developer's Guide to Node.js

– *Introductory*

**Ted Neward**

Thursday, March 13

1:30 – 2:45pm

The circle, as they say, is now complete. JavaScript, what was once a maligned language due to its seeming relationship with Java yet baffling idiosyncracies making it impossible to program, has now become an "elegant" language whose "misunderstood" behavior within the browser was all just.. er... a misunderstanding. Now, today, developers are building elegant programs running on elegant servers, using this elegant thing called Node.js, running JavaScript on the server. Because, you know, it's not (\*cough\* ASP) like anybody (\*cough\* LiveScript) ever did that before.... In this session, we'll go over some of the "elegance" that

this platform brings, as well as some of the not-so-elegant parts, including a recap of the language (because nobody wants to admit that they really didn't ever learn JavaScript), the packaging system used in Node apps (npm), and some of the popular server-side libraries that Node uses (which change on a weekly basis). If you've never used Node, but wondered why everybody was so excited about JavaScript on the server, come on by and have a few myths dispelled.

### ■ LTH32 Busy Developer's Guide to Everything Not-JavaScript – Introductory

**Ted Neward**

Thursday, March 13

3:00 – 4:15pm

For a language which is so ubiquitous and powerful, there certainly are a lot of efforts under way to replace JavaScript as a language with something else (sometimes it feels like \*anything\* else) that "compiles" to JavaScript. In this session, we'll look at some of the leading candidates (CoffeeScript, Dart, Fantom, and maybe a few others, depends on what's been released that week), some of the fundamental "bad parts" of JavaScript, and how these candidates try to erase the "bad parts" of JavaScript under a different syntax and semantics. We'll talk about whether the gain is worth the pain, and when/where/why they're worth considering.



**“What I liked most was the interaction with the speakers, the track format, which really helps with decisions on which classes to take, and the choice of speakers – you really did do a great job!”**

– *Bobby Gilkerson, Crutchfield Corp.*

START TIME	END TIME	
<b>Pre-Conference Workshops: Monday, March 10, 2014 (Separate entry fee required)</b>		
7:30 am	9:00 am	Pre-Conference Workshop Registration - Coffee and Morning Pastries
9:00 am	6:00 pm	<b>LWM05</b> Crash Course on Technologies for Modern App Development - <i>Nick Landry &amp; Kevin Ford</i>
7:00 pm	9:00 pm	Dine-A-Round Dinner
<b>Day 1: Tuesday, March 11, 2014</b>		
7:00 am	8:00 am	Registration - Coffee and Morning Pastries
8:00 am	9:00 am	Keynote: Modern Development with Visual Studio– <i>Nicole Herskowitz, Sr. Director, Visual Studio, Microsoft</i>
9:15 am	10:30 am	<b>LT07</b> Introduction to Modern App Development – <i>Rockford Lhotka</i>
10:45 am	12:00 pm	<b>LT14</b> Modern App Architecture – <i>Rockford Lhotka</i>
12:00 pm	1:15 pm	Lunch • Visit the EXPO
1:15 pm	2:15 pm	<b>LT18</b> Chalk-Talk: Using Git for Cross-Platform Source Control – <i>Benjamin Day</i>
2:35 pm	3:45 pm	<b>LT25</b> ALM with Visual Studio Onlone and Git– <i>Brian Randell</i>
3:45 pm	4:15 pm	Networking Break • Visit the EXPO
4:15 pm	5:30 pm	<b>LT32</b> Managing a Distributed Project Team– <i>Kevin Ford</i>
5:30 pm	7:00 pm	Welcome Reception
<b>Day 2: Wednesday, March 12, 2014</b>		
7:00 am	8:00 am	Registration - Coffee and Morning Pastries
8:00 am	9:00 am	Keynote: To Be Announced
9:15 am	10:30 am	<b>LW07</b> Application Servers and Windows Azure– <i>Kevin Ford</i>
10:45 am	12:00 pm	<b>LW14</b> Modern App Design– <i>Billy Hollis</i>
12:00 pm	1:15 pm	Birds-of-a-Feather Lunch
1:15 pm	2:30 pm	<b>LW21</b> User Experience Nuts and Bolts– <i>Billy Hollis and Antony Handley</i>
2:45 pm	4:00 pm	<b>LW28</b> Data Access and SQL Server– <i>Steve Hughes &amp; Dave Stienessen</i>
4:00 pm	4:30 pm	Sponsored Break • Visit the Expo Raffle @4:15 pm
4:30 pm	5:45 pm	<b>LW35</b> Unit Testing Modern Apps – <i>Jason Bock</i>
7:00 pm	9:00 pm	Live! 360 Evening Event
<b>Day 3: Thursday, March 13, 2014</b>		
7:00 am	8:00 am	Registration - Coffee and Morning Pastries
8:00 am	9:15 am	<b>LTHF07</b> Building an App for Android with Xamarin – <i>Nick Landry</i>
9:30 am	10:45 am	<b>LTH14</b> Leverging Your Data Through Business Intelligence – <i>Steve Hughes</i>
11:00 am	12:15 pm	<b>LTH21</b> Building a WinRT and WinPRT App with C# and XAML – <i>Brent Edwards</i>
12:15 pm	1:30 pm	Lunch
1:30 pm	2:45 pm	<b>LTH28</b> Building a Modern iPad (iOS) – <i>Lou Miranda</i>
3:00 pm	4:15 pm	<b>LTH35</b> Building a 'Smart Client' HTML5 and JavaScript App – <i>Aiden Ryan</i>
<b>Post-Conference Workshops: Friday, March 14, 2014 (Separate entry fee required)</b>		
8:00 am	5:00 pm	<b>LWF05</b> Workshop: Deep Dive into Modern App Design and Development – <i>Brent Edwards, Antony Handley, Lou Miranda, &amp; Aidan Ryan</i>

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MOBILE, CROSS-DEVICE & CLOUD DEVELOPMENT

**MODERN APPS LIVE!**

**LWM05 Workshop: Crash Course on Technologies for Modern App Development – Introductory**

**Nick Landry & Kevin Ford**

Monday, March 10

9:00am – 6:00pm

The Modern Apps Live! conference covers the "how and why" modern apps are built with various technologies. If you haven't built apps for iOS (iPhone, iPad), Android, Xamarin, CSLA, TypeScript, or AngularJS then this workshop is for you. This workshop is designed as a crash course for beginners who want to understand the basics of these technologies. We highly recommend it for attendees of the Modern Apps Live! conference because the content in the later conference sessions assumes you have at least some understanding of the technologies presented in this session. When you leave you'll have an understanding of the development options and core techniques for each platform so you'll be ready to build compelling modern apps.



**LWF05 Workshop: Deep Dive into Modern App Design and Development – Intermediate**  
**Brent Edwards, Anthony Handley, Lou Miranda, & Aidan Ryan**

Friday, March 14

8:00am – 5:00pm

The Modern Apps Live! conference content focused a lot on the tradeoffs and choices involved in designing and building a modern app. This workshop dives deep into the technology behind those choices and the way they are used to implement the MyVote demo app used in the conference. This is a no-holds barred deep dive into the design and implementation of modern apps, from the app server to the mobile services to each client app technology. You'll learn about Azure cloud services, web sites, mobile services, SQL, and storage. You'll learn about Xcode and iOS development, and Xamarin for Android development. Through it all you'll learn about user experience and design and how important the UX is to success modern apps.

**"I enjoyed networking with peers and with the presenters/speakers. The presenters really knew their stuff, and were masters of their subject matter."**

– Francois Mongeaw, Dealer Live Inc.



## MODERN APPS LIVE! | SESSION DESCRIPTIONS

### MODERN APPS LIVE!

Modern app development brings a new set of challenges to software developers, designers, managers, architects and team leads. Many of these apps target multiple client platforms and technologies, and rely on state-of-the-art, server-side platform capabilities. Users expect professional quality and performance in apps that are delivered on time, and that means we need to apply application lifecycle processes and tools effectively, along with embedded developer and acceptance testing.

This single track conference consists of sessions that provide you with an end-to-end narrative covering all aspects of building modern apps using today's technologies. You'll learn how to manage a project lifecycle when that project includes Azure cloud services supporting clients running on iOS, Android, Windows 8, and HTML5/JavaScript.

#### ■ LT07 Introduction to Modern App Development – *Intermediate*

**Rockford Lhotka**

*Tuesday, March 11*

*9:15 – 10:30am*

We're rapidly moving into the era of "modern apps", where users expect a more intuitive, productive, and compelling experience from their computers and devices. Moreover, they expect a similar app experience on their phone, their tablet, and their computer; all of which is transparently supported by a cloud-based infrastructure (public or private) so the app has their data and settings everywhere they go. In this session you'll see how and why Modern Apps is so important to you and your users, and you'll understand the high level process for designing and building this type of app.

#### ■ LT14 Modern App Architecture

– *Intermediate*

**Rockford Lhotka**

*Tuesday, March 11*

*10:45am – 12:00pm*

There's a lot of technology involved when architecting and developing modern apps. Somehow you need an architecture that can support multiple disparate client operating systems and platforms, and yet hopefully take advantage of a set of services. Balance that against the desire to reuse as much code as possible between clients and the server and architecture becomes a serious challenge. In this session you'll see several options for modern app architecture with discussion about the pros and cons of each.

#### ■ LT18 Chalk Talk: Using Git for Cross-Platform Source Control – *Intermediate*

**Ben Day**

*Tuesday, March 11*

*1:15 – 2:15pm*

One important consideration when building modern apps is how to leverage tools that transcend any one platform. Git has become a very popular source control technology in large part because it has good support on iOS, Android, Windows, OS X, and Linux. Each platform has quality tooling for git, and virtually add modern development tools (including Visual Studio 2013) provide git support. In this session you'll learn how git enables cross platform development using GitHub, Visual Studio Online, and various other git tools available on Windows and other platforms.

#### ■ LT25 ALM with Visual Studio Online

and Git – *Intermediate*

**Brian Randell**

*Tuesday, March 11*

*2:30 – 3:45pm*

This session gets you started on the right foot by walking through the process of setting up a project in Visual Studio Online (TFS), including the use of source control (TFS or git), staffing, reporting, and requirements gathering. You will also learn how to establish effective Visual Studio solution and project organization to support a robust enterprise application architecture. Leaving this session you'll not only be able to set up your own TFS and Visual Studio projects, but you'll understand how to use Visual Studio Online to gather and manage requirements and the overall project lifecycle.

#### ■ LT32 Managing a Distributed Project Team – *Intermediate*

**Kevin Ford**

*Tuesday, March 11*

*4:15 – 5:30pm*

Although not all modern apps are created by distributed teams, the reality is that more and more apps are being created by teams spread around the country or the world. Join Kevin Ford as he relates real-world experiences with national and international development teams. Not only are there serious time zone differences, but also differences in culture, language, Internet access and speed, and more. Working within a distributed team can be challenging, but also very rewarding, and in this session you'll learn how to minimize the challenges and maximize the rewards.

**"The speakers, the content, staff are all good, very accommodating and knowledgeable."**

*- Joe Sabado, UCSB Student Info Systems and Technology*

## MODERN APPS LIVE! | SESSION DESCRIPTIONS

### ■ **LW07 Application Servers and Windows Azure – Intermediate**

**Kevin Ford**

Wednesday, March 12

9:15 - 10:30am

In today's world many applications are n-tier or service-oriented, or both. Application servers provide scalability beyond the needs of most applications, but also provide security and manageability benefits required in many scenarios. This session will demonstrate how to configure and deploy application server logic in Windows Server (private cloud) and in Windows Azure (public cloud) environments. As a result, you'll understand how to use WCF and Web API service hosting to create scalable, secure, and reliable application servers for your applications.

### ■ **LW14 Modern App Design – Intermediate**

**Billy Hollis**

Wednesday, March 12

10:45am - 12:00pm

User experience and application workflow are key aspects of any modern app. Modern apps have a higher bar in terms of productivity, aesthetics, platform integration, and usability than the apps most of us have built throughout our careers. In this session you will learn some new ways of thinking that will enable you to reimagine application development, and techniques you can apply as you design your own modern apps.

### ■ **LW21 User Experience Nuts and Bolts – Intermediate**

**Billy Hollis & Anthony Handley**

Wednesday, March 12

1:15 - 2:30pm

Although quality business and data layers are critical to any application, the user sees and interacts with the application through its user interface. The user experience for all applications has become increasingly important over the years, and modern applications set a high bar for even the simplest app. This session focuses on the user experience design process and the types of user experience requirements you must take into account when designing a modern app. These requirements and design factors feed into the user interfaces expressed on PCs, tablets, and phones. In many ways, the success or failure of any application flows directly from the quality of the UX design. This session builds on the previous session, showing how to apply higher level concepts to real-world application design.



### ■ **LW28 Data Access and SQL Server – Intermediate**

**Steve Hughes & Dave Stienessen**

Wednesday, March 12

2:45 - 4:00pm

An application's business layer requires data to function, and that means having a data access layer and a database. These two must work together to provide performant, scalable, and efficient access to the application's data. In this session you'll hear developer and database expert viewpoints on the pros and cons of using Entity Framework, stored procedures, index and key optimization, query optimization, and more. You'll learn the trade-offs between the various options, and how to minimize the impact of any specific choice by abstracting the data access code from the rest of the application.

### ■ **LW35 Unit Testing Modern Apps**

– Intermediate

**Jason Bock**

Wednesday, March 12

4:30 - 5:45pm

Cost-effective enterprise software development requires the entire team to be focused on ensuring quality is present right from the beginning and at every step in the process. Much of this work involves some form of testing to verify the application works as expected. In this session you will learn how to implement an effective unit testing strategy for Windows client and server code, as well as other modern app operating systems and platforms. Even the most basic code testing regimen provides amazing value to any software development effort, and you owe it to yourself and your organization to get started, or to continually improve your existing process.

## MODERN APPS LIVE! | SESSION DESCRIPTIONS

### ■ LTH07 Building an App for Android with Xamarin – Intermediate

**Nick Landry**

Thursday, March 13

8:00 - 9:15am

Android is a popular development target for modern apps, providing usability on phones and tablets. Xamarin is a powerful toolset that allows developers to write native Android (and iOS) apps using C#. The one area where Android is unique is in the UI design and implementation, but even there Xamarin allows the code controlling the UI to be written in C#. In this session you'll learn how to build an Android client app that makes use of the same business logic as a WinRT (Windows 8) client app, as well as leveraging the same back-end services in the same way as WinRT.

### ■ LTH14 Leveraging Your Data Through Business Intelligence – Intermediate

**Steve Hughes**

Thursday, March 13

9:30 - 10:45am

In today's world users increasingly expect the data collected by their apps to be available for analysis in rich and flexible ways. SQL Server 2012, along with SharePoint and Excel 2013 (via PowerPivot and PowerView). In this whirlwind session you'll learn the basic thinking behind design and implementation of a data mart or data warehouse, and how to establish a data model for analysis. You'll also see how PowerPivot and PowerView work to enable flexible access and analysis of enterprise data.

### ■ LTH21 Building a WinRT and WinPRT App with C# and XAML – Intermediate

**Brent Edwards**

Thursday, March 13

11:00am - 12:15pm

This session will walk through the software design and implementation choices and details involved in building a modern app for Windows 8 and Windows Phone using C# and XAML. The future of the .NET platform lies in WinRT, not only for store apps but also for business apps, and this session will provide you with the knowledge necessary to start down the path toward WinRT and WinPRT development.

### ■ LTH28 Building a Modern iPad (iOS)

– Intermediate

**Lou Miranda**

Thursday, March 13

1:30 - 2:45pm

Back-end business, data, application, and mobile services can be used to support applications built for the iPhone and iPad devices running Apple's iOS platform. In this session you'll learn how to implement a mobile iPad application that provides a comparable user experience, while leveraging the same back-end code that supports Windows, Android, and JavaScript clients.

### ■ LTH35 Building a 'Smart Client' HTML 5 and JavaScript App – Intermediate

**Aiden Ryan**

Thursday, March 13

3:00 - 4:15pm

Single Page Applications (SPAs) built with HTML 5 and JavaScript (or TypeScript) are increasingly popular. These apps run in a modern browser and provide the user with a rich smart client experience that is generally consistent across different browsers and platforms. In this session you'll learn what's involved in implementing an SPA using modern JavaScript frameworks, TypeScript, and HTML 5.

**"Getting tips, tricks, and best practices from industry professionals on a wide range of topics is what I liked best."**

– Cameron Chisholm, Digi-Key Corporation



SharePoint LIVE! TRAINING FOR COLLABORATION **AGENDA AT-A-GLANCE | MONDAY – WEDNESDAY**

START TIME	END TIME	
<b>Pre-Conference Workshops: Monday, March 10, 2014 (Separate entry fee required)</b>		
7:30 am	9:00 am	Pre-Conference Workshop Registration - Coffee and Morning Pastries
9:00 am	6:00 pm	<b>LWM04</b> Workshop: Building Apps with SharePoint 2013 - <i>Darrin Bishop</i>
7:00 pm	9:00 pm	Dine-A-Round Dinner
<b>Day 1: Tuesday, March 11, 2014</b>		
7:00 am	8:00 am	Registration - Coffee and Morning Pastries
8:00 am	9:00 am	Keynote: Modern Development with Visual Studio. <i>Nicole Herskowitz, Sr. Director, Visual Studio, Microsoft</i>
12:00 pm	1:15 pm	Lunch • Visit the EXPO
1:15 pm	2:15 pm	<b>LT17</b> Chalk Talk: Access Services in SharePoint 2013 - What is it? - <i>Darrin Bishop</i>
3:45 pm	4:15 pm	Networking Break • Visit the EXPO
5:30 pm	7:00 pm	Welcome Reception
<b>Day 2: Wednesday, March 12, 2014</b>		
7:00 am	8:00 am	Registration - Coffee and Morning Pastries
8:00 am	9:00 am	Keynote: To Be Announced
9:15 am	10:30 am	<b>LW06</b> How SharePoint Apps are Going to Save Us! - <i>Bill Ayers</i>
10:45 am	12:00 pm	<b>LW13</b> Developing Using the SharePoint 2013 REST Services - <i>Matthew DiFranco</i>
12:00 pm	1:15 pm	Birds-of-a-Feather Lunch • Visit the EXPO
1:15 pm	2:30 pm	<b>LW20</b> Introduction to Office 365 SharePoint Online Development - <i>Matthew DiFranco</i>
2:45 pm	4:00 pm	<b>LW27</b> Set Your Code Free! SharePoint Apps for the Mobile World - <i>Bill Ayers</i>
4:00 pm	4:30 pm	Sponsored Break • Visit the EXPO • Expo Raffle @ 4:15Pm
4:30 pm	5:45 pm	<b>LW34</b> Test-Driven SharePoint 2013 App Development - <i>Bill Ayers</i>
7:00 pm	9:00 pm	Live! 360 Evening Event

**“Great topics, great technical detail.”** - *Tracy Bradner, Babcock & Wilcox*

SharePoint  LIVE! 360 DEV WORKSHOPS | SHAREPOINT LIVE!

**SHAREPOINT LIVE!**

■ **LWM04 Workshop: Building Apps with SharePoint 2013**

– *Introductory / Intermediate*

**Darrin Bishop**

Monday, March 10

9:00am – 6:00pm

SharePoint 2013's new App Model provides the developer to create lightweight applications based on common web standards. The new app model allows us to extend SharePoint 2013 functionality while limiting the chance of affecting overall server performance. SharePoint apps work both on- premises and in the cloud and allows us to create applications that integrate with processes running on other servers. The new app model opens up a new area of development that we will need to master.

This one day session will cover the key areas that you will need to master in order to develop SharePoint 2013 apps. In this workshop we will cover topics including:

- Discussing what a SharePoint actually is
- Learning the different types of SharePoint apps and hosting options
- Developer environment and tooling options
- Working with SharePoint's remote APIs including REST and CSOM
- How to define security and impersonation for a SharePoint app
- Deploying and publishing a SharePoint app

After this one day workshop a developer will be ready to design, develop, and publish a SharePoint app!



**“The chemistry between many of the speakers makes it an enjoyable event experience. I've been able to ask questions that resolve relevant problems.”**

– *Bill Polewchak, Avery Dennison*

## SHAREPOINT LIVE! | SESSION DESCRIPTION BY TRACK

### DEVELOPING APPS AND SOLUTIONS FOR SHAREPOINT

This track offers sessions that focus on tools and methodologies for development in SharePoint 2013 and Office 365. Expert speakers will guide an exploration of patterns and practices, highlighting the capabilities of various development tools and addressing important considerations including application lifecycle management and the future of the cloud app model versus full-trust solutions. In addition, developers will find high-value sessions throughout the tracks of Live! 360, where solution-specific development sessions are listed.

#### ■ LT17 Chalk Talk: Access Services in SharePoint 2013 – What is It?

– Introductory / Intermediate

**Darrin Bishop**

Tuesday, March 11

1:15 – 2:15pm

Access Services was introduced in SharePoint 2010 but it just didn't appear to catch on with developers like Excel Services. Access Services has been improved in SharePoint 2013 and it might just provide a new avenue to develop small SharePoint applications quickly. In this session we will take a look at Access Services features and how it might be used in your organization. We will finish up the session by creating a simple application and deploy to Access Services.

#### You will learn:

- What Access Services is
- How Access Services may be used in an organization
- How to create and deploy an application using Access Services

#### ■ LW06 How SharePoint Apps are Going to Save Us! – Intermediate

**Bill Ayers**

Wednesday, March 12

9:15 – 10:30am

There has already been a lot of talk about the new development approach in SharePoint 2013. In this session we will take a fresh look at the SharePoint-hosted App development model, its implications, benefits and limitations. Then we will see how it actually liberates us to build the SharePoint solutions that our users actually want. The world is changing and our SharePoint solutions need to stay relevant in this new world of user expectations and user devices.

#### You will learn:

- Developer perspective on the changes in SharePoint 2013 and how it applies to real-life business solutions
- Understand the benefits and limitations of the SharePoint App model and the implications for software architecture
- Practical demonstrations of how we can use these new models to build apps to satisfy current business needs

#### ■ LW13 Developing Using the SharePoint 2013 REST Services

– Introductory / Intermediate

**Matthew DiFranco**

Wednesday, March 12

10:45am – 12:00pm

SharePoint 2013 introduces a REST service to access and update SharePoint data. While previous versions exposed various web services, the new REST service makes it easier to integrate with JavaScript since it can provide JSON formatted data back to the consumer.

#### You will learn:

- Determining the correct REST URLs
- Using query strings to pass parameters
- Using ODATA
- Paging and Sorting

#### ■ LW20 Introduction to Office 365 SharePoint Online Development

– Intermediate

**Matthew DiFranco**

Wednesday, March 12

1:15 – 2:30pm

SharePoint online provides a new hosted platform that developers can rapidly build solutions to meet business needs. Using SharePoint Designer and Visual Studio, you will learn to customize the SharePoint user interface, extend SharePoint, and build workflows.

#### You will learn:

- Getting Started with SharePoint Online
- Tools for developing SharePoint Online
- Use JQuery in your SharePoint site
- Limitations of SharePoint Online



## SHAREPOINT LIVE! | SESSION DESCRIPTION BY TRACK

### ■ LW27 Set Your Code Free! SharePoint Apps for the Mobile World

– Intermediate / Advanced

**Bill Ayers**

Wednesday, March 12

2:45 – 4:00pm

Organizations are embracing BYOD (Bring Your Own Device), and now we have to deliver SharePoint to these devices. And people don't just want a website any more - they want an app!

This session is about building solutions for client devices. It's not just responsive design - we're going to look at technologies that allow us to build client apps for multiple target platforms with a significant amount of code re-use. We'll also use design patterns and data-binding on the client side to make our apps maintainable and scalable. And we'll look at tooling that allows us to do the majority of our work in Visual Studio 2013. This is a field where the technology is changing rapidly - almost daily. This session will help you get up to speed, or to keep up!

#### You will learn:

- Mobile solutions and platforms for surfacing SharePoint content
- Review the options for building SharePoint client applications on devices
- Code and knowledge re-use across Web, SharePoint, Windows 8, Windows Phone, Android and iOS devices

### ■ LW34 Test-Driven SharePoint 2013 App Development – Intermediate / Advanced

**Bill Ayers**

Wednesday, March 12

4:30 – 5:45pm

This will be a deep dive into Test-Driven Development against the SharePoint platform, including SharePoint Apps built using JavaScript and HTML5.

SharePoint 2013 continues to support the "traditional" SharePoint development model and using TDD practices can be a challenge. But in addition in SharePoint 2013, we now have the "SharePoint App" development model with the emphasis on client-side development. Now we have a new set of technologies and development patterns. Prepare for a headlong dive into the brave new world (for us) of client-side JavaScript testing and development best-practices.

#### You will learn:

- The motivation for TDD as part of Agile software development
- Explore techniques for testing client-side code in SharePoint and Office 365 projects
- TDD best practices



**“Hearing the presenters talk about real examples of how they implemented real tech, or issues they came across in their jobs was the best part.”**

– Jonathan Jeffrey, PBS Financial Systems

SQL Server **LIVE!** AGENDA AT-A-GLANCE | TUESDAY, THURSDAY, FRIDAY  
SQL SERVER FOR MODERN DEVELOPERS

SQL Server for the Developer

START TIME	END TIME	
<b>Day 1: Tuesday, March 11, 2014</b>		
7:00 am	8:00 am	Registration - Coffee and Morning Pastries
8:00 am	9:00 am	Keynote: Modern Development with Visual Studio. <i>Nicole Herskowitz, Sr. Director, Visual Studio, Microsoft</i>
9:15 am	10:30 am	<b>LT06</b> To Be Announced
10:45 am	12:00 pm	<b>LT13</b> SQL Server 2012/2014 Columnstore Indexes - <i>Kevin Goff</i>
12:00 pm	1:15 pm	Lunch • Visit the EXPO
2:30 pm	3:45 pm	<b>LT24</b> SQL Server on Azure VMs - <i>Eric D. Boyd</i>
3:45 pm	4:15 pm	Networking Break • Visit the EXPO
4:15 pm	5:30 pm	<b>LT31</b> T-SQL for Application Developers - Attendees Choose - <i>Kevin Goff</i>
5:30 pm	7:00 pm	Welcome Reception
8:00 am	5:00 pm	<b>LWF04</b> Workshop: SQL Server for Developers - <i>Andrew Brust &amp; Leonard Lobel</i>
<b>Day 3: Thursday, March 13, 2014</b>		
7:00 am	8:00 am	Registration - Coffee and Morning Pastries
8:00 am	9:15 am	<b>LTH06</b> To Be Announced
9:30 am	10:45 am	<b>LTH13</b> Excel, Power BI and You: An Analytics Superhub - <i>Andrew Brust</i>
11:00 am	12:15 pm	<b>LTH20</b> Big Data 101 with HDInsight- <i>Andrew Brust</i>
12:15 pm	1:30 pm	Lunch
1:30 pm	2:45 pm	<b>LTH27</b> Database Development with SQL Server Data Tools - <i>Leonard Lobel</i>
3:00 pm	4:15 pm	<b>LTH34</b> Windows Azure SQL Database – SQL Server in the Cloud - <i>Leonard Lobel</i>
<b>Post-Conference Workshops: Friday, March 14, 2014 (Separate entry fee required)</b>		
7:30 am	8:00 pm	Post-Conference Workshop Registration - Coffee and Morning Pastries
8:00 am	5:00 pm	<b>LWF04</b> Workshop: SQL Server for Developers - <i>Andrew Brust &amp; Leonard Lobel</i>



SQL Server **LIVE!** LIVE! 360DEV WORKSHOPS | SQL SERVER LIVE!  
SQL SERVER FOR MODERN DEVELOPERS

## SQL SERVER LIVE!

■ **LWF04 Workshop: SQL Server for Developers – Intermediate**  
**Andrew Brust & Leonard Lobel**

Friday, March 14

8:00am – 5:00pm

This full-day workshop will get you up to speed on powerful new features in SQL Server 2008, SQL Server 2008 R2, and SQL Server 2012. Lenni and Andrew will pull no punches as they rip through the most important SQL Server features for developers in this intensive demo-packed tour.

We'll start with the many enhancements made to T-SQL. Learn how to use table-valued parameters to marshal entire sets of rows across the network from client to server, and to pass them between your stored procedures and UDFs. Find out about MERGE, a powerful DML statement that combines the capabilities of four (or more) separate operations, and INSERT OVER DML, which enhances your ability to capture change data from the OUTPUT clause of any DML statement. Then preview the T-SQL enhancements coming in SQL Server 2012, such as windowing (OVER clause) enhancements, 22 new functions, the THROW statement, server-side paging, the SEQUENCE object, and new metadata discovery techniques.

We'll then look at the business intelligence capabilities in SQL Server and related technologies, including Analysis Services Tabular mode; PowerPivot, Excel's BI capabilities and Excel Services; Reporting Services and its self-service Report Parts feature; Power View (formerly project "Crescent"); PerformancePoint Services; and a quick look at Master Data Services, Data Quality Services and StreamInsight. We'll look at each of these products separately and see how to use them together. We'll also cover the basics of SQL Server Analysis Services' conventional MOLAP mode to set the context properly.

Then we'll examine the "beyond relational" features in SQL Server 2008, and the latest additions added in SQL Server 2012. These features will get you thinking outside the box with respect to the types of data that can be managed by a relational database system. Learn how to use the new hierarchyid data type to cast a hierarchical structure over any relational table. Dig into FILESTREAM (and SQL Server 2012 FileTable) and learn how you can finally enjoy the native ability to store large binary objects in the file system transparently, and with full transactional capabilities. The geospatial data types enable you to integrate location-intelligence into the database, and we'll finish up by building several location-aware applications on top of these new data types.

You'll learn a ton of new SQL Server features in this information-packed day!

**You will learn:**

- T-SQL enhancements added to SQL Server 2008 and SQL Server 2012
- The latest BI features in SQL Server 2008 R2 and SQL Server 2012, including PowerPivot and enhancements to Reporting Services
- Unstructured data storage, including native file streaming, and the hierarchical and geospatial data types

**"I liked the diversity and having access to other conference sessions besides the one I was attending. The workshops were good as well."**

– Brian Jones, Software Developer, Emerson Electric

## SQL SERVER LIVE! | SESSION DESCRIPTION BY TRACK

### SQL SERVER FOR THE DEVELOPER

Developers have an incredible amount of impact on the overall performance of a database application, and SQL Server Live! shines a spotlight to help developers deliver more. From T-SQL enhancements to "never do this" worst-practices reviews, there's plenty of content to keep you busy - or to supplement your Visual Studio Live! agenda!

#### ■ LT06 Introduction to In-Memory OLTP Using Hekaton in SQL Server 2014 – Introductory / Intermediate

**Kevin Goff**

Tuesday, March 11

9:15 – 10:30am

Hekaton is Microsoft's code word for their new OLTP in-memory, optimized data processing option for frequently-used tables in SQL Server 2014. In certain instances, Hekaton can yield performance gains of over 10x. This session will cover the benefits of Hekaton, why developers and DBAs would want to use Hekaton, and the different options for creating Hekaton tables. We'll also look at the native-code stored procedure optimizations when using Hekaton. Additionally, this session will show the range and limitations of Hekaton and how it differs from traditional SQL Server tables (such as transaction handling). Along the way, the session will have several code demonstrations where we'll look at performance benchmarks. If you've heard about Hekaton and in-memory optimizations and terms such as 'latch and lock free structures' and wondered what it all means, this session is for you!

#### You will learn:

- The different options Microsoft provides for Hekaton tables
- The benefits of Hekaton and in what scenarios you can maximize performance gains
- How Hekaton differs from traditional SQL Server tables

#### ■ LT13 SQL Server 2012/2014 Columnstore Indexes – Intermediate

**Kevin Goff**

Tuesday, March 11

10:45am – 12:00pm

It might seem far-fetched that a company would upgrade to SQL Server 2012 "just" for a database index. But after you see the performance enhancements gained from the new columnstore index in SQL Server 2012, you'll see why many are calling this one of the most important features in the history of SQL Server. In this presentation, I'll talk about the physical aspects of columnstore index in SQL Server 2012, how to create it, and what environments (mainly data warehousing environments) and queries can make use of it. I'll show performance benchmarks between columnstore indexes in SQL Server 2012, and compare them to index strategies prior to SQL Server 2012. I'll also show how the new Batch execution mode can improve performance as well. I'll also show what queries can take advantage of the columnstore index (and which ones can't) and how to use partition switching as a workaround for the fact that the columnstore index is a readonly index in 2012. Finally, I'll show some of the enhancements to the columnstore index in SQL Server 2014, including the ability to define a columnstore index as read-write.

#### You will learn:

- Where environments can best leverage the columnstore index
- Which queries can take optimum advantage of the columnstore index, and which ones can't
- What a columnstore index really is "under the hood", how SQL Server works with it, and how SQL Server can generate such huge performance gains
- The enhancements in SQL Server 2014

#### ■ LT24 SQL Server in Windows Azure Virtual Machines – Intermediate

**Eric D. Boyd**

Tuesday, March 11

2:30 – 3:45pm

The introduction of IaaS and stateful Virtual Machines in Windows Azure has expanded the workloads that fit in Windows Azure. One of the most common workloads is SQL Server. In this session, you will learn how to get started with SQL Server in Windows Azure Virtual Machines. Next, Eric will show you how to architect your SQL Server VMs to be highly available and fault tolerant in Windows Azure Virtual Machines. Then you will learn how to optimize and tune the performance of SQL Server in Windows Azure Virtual Machines. Finally, Eric will walk through some tips and things to consider like database migrations, security, management and when to use SQL Server over Windows Azure SQL Database.

#### You will learn:

- How to get started with SQL Server in Windows Azure Virtual Machines
- How to architect your environment for high availability and performance
- Guidance and lessons learned when running SQL Server in a Windows Azure VM



## SQL SERVER LIVE! | SESSION DESCRIPTION BY TRACK



### ■ LT31 T-SQL for Application Developers – Attendees Choose

– *Introductory / Intermediate*

**Kevin Goff**

Tuesday, March 11

4:15 – 5:30pm

That's right, attendees choose! I'll show 25 possible topics on the screen, and the attendees vote on which topics we will cover. Everything from isolation levels to ranking... everything from GUIDs to table-valued functions... everything from querying temporal data to instances where subqueries are necessary...everything from update triggers to reading execution plans, and even from the new analytic functions in SQL 2012 to common gotchas in T-SQL programming when aggregating multiple child tables. The good news is that you'll walk away with 25 code samples, even though we'll only cover a portion of them in the presentation.

**You will learn:**

- The new language enhancements in SQL 2012
- Where subqueries are necessary
- Gain some appreciation of performance optimization

### ■ LTH13 Excel, Power BI and You: An Analytics Superhub – *Intermediate*

**Andrew Brust**

Thursday, March 13

9:30 – 10:45am

With Microsoft's announcement of its "Power BI" self-service cloud Business Intelligence offering, Excel steps into the BI mainstream. The combination of the Excel 2013 Data Model, Power Pivot, Power View, Power Query (formerly "Data Explorer") and Power Map (formerly "GeoFlow") means the ability to do serious, sophisticated analytics in Excel is here, right now. In this session, we'll look at the analytics capabilities in the core Excel product and the aforementioned add-ins, as well as investigate how to use these tools together. We'll also see how to extend these capabilities into Office 365 and the Windows 8 modern app environment with Power BI.

**You will learn:**

- About the Excel Data Model and the BI Semantic Model
- The four Excel analytics add-ins: Power Pivot, Power View, Power Query and Power Map
- Publishing your Excel analytics to SharePoint and Office 365
- Integrating Excel analytics with Big Data technology from Microsoft and other vendors

**"I loved the choice of speakers and the interaction with them – it was great! Plus, the track format really helps with decisions on which classes to take."**

– *Bobby Gilkerson, Crutchfield Corp.*

### ■ LTH20 Big Data 101 with HDInsight – *Intermediate*

**Andrew Brust**

Thursday, March 13

11:00am – 12:15pm

HDInsight is the name of Microsoft's distribution of Apache Hadoop, the essential and defining technology of the Big Data world. HDInsight runs in the cloud on Windows Azure, and yet provides an environment that users of other Hadoop distributions will find familiar and quickly useable.

But what is "Big Data," really? And why in the world would Microsoft embrace Hadoop, an open source technology, written in Java that customarily runs on clusters of Linux servers? In this session, Microsoft BI expert and ZDNet Big Data blogger Andrew Brust will explain what Big Data is all about and how Hadoop works. He will highlight its advantages and disadvantages and introduce you to HDInsight. Andrew will also discuss HDInsight's developer tools, demonstrate relevant Microsoft BI tools and show how they work with HDInsight. Most importantly, you'll learn how developers with relational database skills can make the jump into this exciting and opportunity-filled area.

**You will learn:**

- What Big Data really is, in a beyond-the-hype context
- About Microsoft HDInsight, its .NET SDK for Hadoop, and LINQ Provider for Apache Hive
- How Microsoft's newest BI technologies work
- Understand how SQL Server Parallel Data Warehouse's PolyBase technology integrates with Hadoop and SQL Server

## SQL SERVER LIVE! | SESSION DESCRIPTION BY TRACK

### ■ LTH27 Database Development with SQL Server Data Tools – Intermediate

Leonard Lobel

Thursday, March 13

1:30 – 2:45pm

Database Development with SQL Server Data Tools

SQL Server Data Tools (SSDT) is a powerful integrated development environment for designing, testing, and deploying SQL Server databases—whether you're working locally or remotely, connected or offline, or in the cloud on Windows Azure—all from right inside of Visual Studio. While SQL Server Management Studio (SSMS) continues to serve as the primary tool for database administrators, SSDT plugs in to Visual Studio as a special database project type designed specifically for the application developer.

In this session, Lenni begins by describing the various difficulties that developers face, and then demonstrates how SSDT can be used to remedy those pain points. You will learn how to use features such as code navigation, IntelliSense, and refactoring with your database model—indispensable tools traditionally available only for application development in Visual Studio. We'll also cover the declarative model that allows you to design databases offline and under source control right from within solution in Visual Studio, as well as how to deploy to Windows Azure SQL Database. Don't miss out on this demo-centric information-packed session on the current generation of database tools for application developers!

#### You will learn:

- Learn the benefits of database development with SSDT's declarative model-based architecture
- Understand the various SSDT features and capabilities (explorer, designers, schema compare, local database runtime, language services, debugging, and buffered editing)
- See live demonstrations of how to design, test, and deploy on-premises databases, offline database projects, and Windows Azure SQL databases in the cloud all from inside Visual Studio

### ■ LTH34 Windows Azure SQL Database - SQL Server in the Cloud – Intermediate

Leonard Lobel

Thursday, March 13

3:00 – 4:15pm

This session will get you ramped up quickly on SQL Database – the Windows Azure version of SQL Server. Lenni will start from square one: signing up for a Microsoft account and using it to create a Windows Azure subscription. From there, you'll learn how to leverage a host of tools to connect with SQL Database, including the Windows Azure and SQL Database management portals, SQL Server Management Studio (SSMS), PowerShell, and SQL Server Data Tools (SSDT).

After covering setup and configuration, you'll see how to build a complete cloud solution in Visual Studio using SSDT to deploy to SQL Database. We'll also cover other SQL Database topics, including database migration and synchronization, and conclude by discussing important differences between SQL Database and SQL Server. Attend this session and get working with SQL Database today!

#### You will learn:

- Become acquainted with SQL Database on Windows Azure
- Learn how to setup and configure SQL Database
- Understand the differences between SQL Database and SQL Server



**“I liked that peers brought their experience and expertise to each session. The information was extremely timely and relevant.”**

– Curtis Taylor, Principle Consultant, INFRAGISTICS

## LIVE! 360 DEV LAS VEGAS 2014 – SPEAKER BIOS



**Brock Allen**  
*Owner, Brock Allen Consulting, LLC*

Brock Allen is a consultant specializing in .NET, web development, and web-based security. He is also an instructor for the training company Developmentor, associate consultant for Thinkecture, a contributor to the Thinkecture open source projects, and a contributor to the ASP.NET platform.



**Rachel Appel**  
*Appel Consulting*

Rachel is a consultant, author, mentor, and former Microsoft employee with over 20 years in the IT industry who speaks at top industry conferences such as Visual Studio Live!, Live! 360, and MIX. During her career, Rachel has worked on projects of all sizes from the smallest of apps to the largest enterprise systems at some of the world's leading companies. Rachel's expertise lies within developing solutions that align business and technology, focusing on In frameworks, languages, databases, software practices, and more.



**Bill Ayers**  
*Technical Director, Flow Simulation Ltd.*

Bill Ayers is a consultant developer and software architect who has been working on SharePoint since the 2003 version of the product, and is a Microsoft Certified Master and MCSM, SharePoint. He specializes in web content management and Intranet portals. He has over 20 years' experience in the software industry, and speaks regularly at international conferences and user groups.

He is also a moderator on SharePoint StackExchange.com, and blogs at <http://SPDoctor.net/>.



**Darrin Bishop**  
*Director, Aptillon, Inc.*

Darrin is a founder, director, and the Vice President at Aptillon, Inc. He is a former 8-time Microsoft SharePoint MVP and has been involved in SharePoint since 2001 when the code-named product Tahoe was released as SharePoint Portal Server 2001. Darrin has a diverse background in SharePoint and has covered the product lifecycle from envisioning, design, installation, development, customizations and even administering farms. Darrin has been focusing on custom SharePoint development, line of business application integration, mobile devices and SharePoint, ECM and Business Intelligence. You can commonly find Darrin speaking at user groups and conference. You can read Darrin's blog posts on the Aptillon blog [www.aptillon.com](http://www.aptillon.com).



**Jason Bock**  
*Principal Consultant, Magenic*

Jason Bock is a Practice Lead for Magenic ([www.magenic.com](http://www.magenic.com)) and a Microsoft MVP (C#). He has worked on a number of business applications using a diverse set of substrates and languages in his career. He is the author of "Metaprogramming in .NET", "Applied .NET Attributes", and "CIL Programming: Under the Hood of .NET". He has written numerous articles on software development issues and has presented at a number of conferences and user groups. He is a leader of the Twin Cities Code Camp ([www.twincitiescodecamp.com](http://www.twincitiescodecamp.com)). Jason holds a Master's degree in

Electrical Engineering from Marquette University. Visit his web site at [www.jasonbock.net](http://www.jasonbock.net).



**Robert Boedigheimer**  
*Principal Systems Developer, Schwans Shared Services, LLC*

Robert Boedigheimer works for Schwans Shared Services, LLC providing business solutions with web technologies and leads Robert Boedigheimer Consulting, LLC. Robert has been designing and developing web sites for the past 15 years including the early days of ASP and ASP.NET. He is a columnist for [aspalliance.com](http://aspalliance.com), a Pluralsight Author, an ASP.NET MVP, an author, a MCPD: ASP.NET 3.5, and a 3rd degree black belt in Tae Kwon Do. Robert has spoken at industry conferences including Visual Studio Live!, Heartland Developers Conference, DevLink, DevTeach, Tulsa Tech Fest, DevWeek, DevReach, SDC, TechEd, AJAXWorld, and numerous national and international events.



**Eric D. Boyd**  
*Founder & CEO, responsiveX*

Eric D. Boyd is the Founder and CEO of responsiveX, a Windows Azure MVP, and a regular speaker at national conferences, regional code camps and local user groups. He is so passionate about apps and cloud services that he founded responsiveX ([www.responsiveX.com](http://www.responsiveX.com)), a management and technology consultancy that helps customers create great web, mobile and client experiences, and these apps are often powered by cloud services. Eric launched his technology career almost two decades ago with a web development startup and has served in multiple roles since including developer, consultant, technology

executive and business owner. You can find Eric blogging at <http://www.EricDBoyd.com> and on Twitter at <http://twitter.com/EricDBoyd>.



**Andrew Brust**  
*Founder and CEO, Blue Badge Insights*

Andrew J. Brust is Founder and CEO of Blue Badge Insights and writes a blog for ZDNet called "Big on Data". (<http://www.zdnet.com/blog/big-data>). Blue Badge Insights provides strategy and advisory services to Microsoft customers and partners. The company derives from Andrew's background in application software development dating back to 1985, and his industry expertise in Microsoft technologies like .NET, SQL Server and Analysis Services. Andrew is co-author of "Programming Microsoft SQL Server 2012" (Microsoft Press); an advisor to NYTECH, the New York Technology Council; serves as Microsoft Regional Director and MVP; is conference co-chair of Visual Studio Live!; and writes Visual Studio Magazine's "Redmond Review" column.



**Keith Burnell**  
*Senior Software Engineer, Skyline Technologies*

Keith Burnell is a Microsoft MVP in ASP.NET/IIS and Senior Software Engineer with Skyline Technologies. He has been developing software for over 10 years specializing in large scale ASP.NET and ASP.NET MVC web site development and architecture as well as teaching and mentoring clients on the benefits of test-driven development. Keith is an active member of the .NET community who speaks regularly at local and regional user groups and developer events as well as at national

## CONFERENCE SPEAKERS, CONTINUED

conferences. He is an avid blogger and author who's been featured multiple times in MSDN magazine and has authored courses for Pluralsight. Keith has two wonderful daughters and is married to his high school sweetheart who is still way out of his league!



**Miguel Castro**  
*Software Engineer,*  
*SteelBlue Solutions*

Miguel Castro is an architect with over 28 years of experience in the software industry. He's a Microsoft MVP, member of the INETA Speakers Bureau, and ASP Insider. With a Microsoft background that goes all the way back to VB 1.0 (and QuickBasic in fact); Miguel speaks regularly at numerous user groups, code camps, and conferences in the US and abroad. He has also been featured on several technology talk shows on numerous occasions. He specializes in architecture and development consulting and training using Microsoft technologies. Miguel is also a regular author with CoDe Magazine and the proud father of a very computer savvy 9-year-old girl.



**Benjamin Day**  
*Consultant & Trainer, Benjamin Day Consulting, Inc.*

Benjamin Day is a consultant and trainer specializing in software best practices using Microsoft tools. Ben's main areas of emphasis include Team Foundation Server, Scrum, software testing, and software architecture. He is a Microsoft Visual Studio ALM MVP, a certified Scrum trainer via Scrum.org, and a speaker at conferences such as TechEd and Visual Studio Live! When not developing software, Ben's been known to go running and sea kayaking in order to balance out his love of cheese, cured meats, and champagne. He can be contacted via [www.benday.com](http://www.benday.com).



**Marcel de Vries**  
*Technology Manager, Info Support*  
 Marcel spends most of his time helping customers build enterprise systems based on

Microsoft Technology. He has been working with Microsoft technology since he graduated in Computer Science in 1996. He started mainly with C/C++ and MFC. When Microsoft launched its new .NET platform in he immediately used it to write the first commercial application to go live in the Netherlands based on ASP.NET. Marcel writes articles and whitepapers on .NET and Team System for MSDN, Architecture journal and Dutch local magazines like .NET magazine. Marcel is a frequent speaker at conferences like Microsoft Developer Days and Tech Ed, SDC, and many local events. Besides his work as an IT Architect consultant at large bank and insurance companies he is also Technology Manager at Info Support and a Microsoft Certified trainer. As a trainer he teaches courses on Visual Studio ALM, Windows Workflow Foundation and Mobile development. Marcel is a Visual Studio ALM MVP and Microsoft Regional Director for the Netherlands.



**Ben Dewey**  
*Mobile Practice Lead, Windows Division, Tallan Inc.*

Ben Dewey is a Microsoft MVP, INETA Community Speaker, and published author with over 16 years of experience writing applications and continually striving to create SOLID applications of the highest craftsmanship while paying special attention to clean User Experiences (UX). Ben is currently leading the Windows Division of the Mobile Practice at Tallan, Inc. and consults regularly in New York City on Web, XAML, and Cloud based technologies. He has also worked to deploy numerous high-quality, engaging

apps to the Windows Store. When he's not consulting, Ben is busy training, mentoring, blogging and speaking at various conferences and community events around the country. He also recently authored the book "A Guide to Windows 8 Apps", published by O'Reilly. Outside of work, Ben spends most of his time playing with his three young kids, working around the house, or, if it's windy, kitesurfing. You can find Ben online on Twitter, StackOverflow, or on his blog at <http://bendewey.com/> blog



**Matthew DiFranco**  
*Software Architect, Paychex*  
 Matthew DiFranco is an Enterprise Architect at Paychex, one of largest payroll providers in the

United States. He focuses on cross platform architectures that involve SharePoint, .NET, Java and SalesForce.com. Matt is also the lead Architect for Paychex on all Mobile applications. Matt previously worked as a consultant focusing mostly in SharePoint and .Net technologies. He consistently used his skills and problem solving to help customers solve challenging business issues with technology. Automating and integrating systems to cut down on timely redundant work.

Matt is co-lead of both the Rochester Area SharePoint User group and the Rochester Adobe User group. He has spent time giving presentations and trainings both in the user groups and though his consulting. You can find Matt on his blog (<http://www.difranco.com>) or follow him on Twitter @mattdifranco.



**Brent Edwards**  
*Associate Principal Consultant, Magenic Technologies*  
 Brent Edwards is an Associate Principal Consultant for Magenic

and a co-founder of the Twin Cities Windows 8 User Group. He is an accomplished software developer, architect, mentor, and speaker with over 8 years of experience in developing innovative solutions with Microsoft technologies. Brent has worked on projects ranging from ASP.NET MVC with jQuery to WPF to Silverlight. He is also the author of MVVM Fabric (<http://mvvmfabric.com/>), a free MVVM framework for WPF. In addition to Microsoft technologies, Brent develops applications for the Android platform. His apps have over two million downloads and he was selected by Google as a Top Android Developer for their Device Seeding Program. When not cranking out code, you can find him hanging out with his wife and four kids or riding his wakeboard, snowboard or mountain bike. Check out his blog at <http://brentedwards.net> and follow him on twitter @brentledwards.



**Kevin Ford**  
*Practice Lead, Magenic Technologies*

Kevin Ford is a Practice Lead with Magenic Technologies out of their Boston Office. For the past twenty years he has specialized in enterprise application development using the Microsoft stack. Kevin is an accomplished .NET architect and leader at Magenic. He works with each region to ensure that Magenic consultants have the right relationships, resources, and opportunities to advance their technical skills. Kevin also maintains the Xamarin Android implementation of the CSLA framework.



**David Giard**  
*Technical Evangelist, Microsoft*

David Giard is a former accountant and a former biochemist, who has been developing solutions using Microsoft technologies for over

## CONFERENCE SPEAKERS, CONTINUED

two decades. Currently, David helps people build solutions in his role as a Microsoft Technical Evangelist. David has been very active in the developer community, speaking at numerous major conferences, code camps, and user groups; helping to lead user groups; and helping to organize conferences and other geek events. He is the host and producer of the mildly popular online TV show Technology and Friends. He is the co-author of the Wrox book Real World .NET, C#, and Silverlight. You can read his latest thoughts at [www.DavidGiard.com](http://www.DavidGiard.com). His hobbies include video, photography, sports, and embarrassing his sons.



### **Kevin Goff**

*Independent Contractor*  
 Kevin S. Goff is a Microsoft SQL Server MVP, author of 2 books, regular columnist for CoDe Magazine on .NET, SQL Server, and Business Intelligence topics, and a frequent speaker at community events in the Mid-Atlantic region. Kevin was a .NET MVP in C# from 2005 to 2009, and has been a SQL Server MVP since 2010. You can find out more about Kevin at [www.kevinsgoff.net](http://www.kevinsgoff.net).



### **Anthony Handley**

*UX Practice Lead, Magenic Technologies*  
 A 17-year design veteran, Anthony Handley leads Magenic's user experience design practice and is a five-time recipient of the Microsoft MPV Award. In the design and technology communities, he is a passionate advocate of compelling, intuitive experiences. As a thought leader at Magenic, Anthony and his team help clients bring exceptional user experiences to their customers across a variety of channels and platforms including

Windows 8, Windows Phone, iOS, Android and the Web.



### **Nicole Herskowitz**

*Sr. Director, Product Marketing, Visual Studio*  
 With over twelve years at Microsoft, Nicole currently leads product marketing for Visual Studio and the .NET Framework. She joined the Visual Studio business over five years ago to run global sales strategy and execution. Nicole started her career at Microsoft on the Office division serving in a variety of roles including product management, product planning and sales strategy for Microsoft Office, SharePoint and Project. She was responsible for launching Office 2007 in EMEA and the first version of Microsoft Project Server globally. Prior to joining Microsoft, Nicole worked in product management at a startup delivering hosted CRM offerings for small businesses. Nicole started her career as a consultant for Arthur Andersen Business Consulting. She holds an MBA at the University of Michigan and lived in London for almost seven years while fulfilling a commitment at Microsoft. In her spare time, Nicole enjoys yoga and running and spending time with her two young daughters.



### **Ben Hoelting**

*Software Architect, Aspenware*  
 Ben Hoelting graduated from Colorado State University in 1997 with a BS in Computer Information Systems and a Minor in Computer Science. Ben joined the IT industry in 1996 as an intern and has worked with .NET since its inception back in 2002. Over the last few years he has done some work for the Department of Defense. He left the government world and now works for

Aspenware in Denver, CO. His most recent projects include a Silverlight line of business application that uses the ADO.NET Entity Framework to access the backend data store. He also is working on an MS Office automation project as well as geospatial ASP.NET MVC website. Ben is a Microsoft Certified Technology Specialist (MCTS) for Web and Windows .NET 4.0. His blog is at [www.benhblog.com](http://www.benhblog.com) and his twitter @benhnet. Finally, Ben is very involved in the local .NET community and is the leader of the South Colorado .NET User Group.



### **Billy Hollis**

*Next Version Systems*  
 Billy Hollis is an author and software developer from Nashville, Tennessee. Billy is co-author of the first book ever published on Visual Basic .NET, VB .NET Programming on the Public Beta. He has written many articles, and is a frequent speaker at conferences. He is the Regional Director of Developer Relations in Nashville for Microsoft, and runs a consulting company focusing on Microsoft.NET. You can visit his website at: [www.billyhollis.com](http://www.billyhollis.com).



### **Steve Hughes**

*Practice Lead, Magenic Technologies*  
 Steve Hughes is a Practice Lead at Magenic. He works with Microsoft's SQL Server stack to deliver data and business intelligence solutions. He has been working with technology for over 15 years with much of that time spent on creating business intelligence solutions including multidimensional databases, reporting solutions, and data marts. He is passionate about using data effectively and helping customers understand that data is valuable and profitable. Steve also has

experience working with a large Software as a Service vendor where he received awards for customer satisfaction and engineering excellence. In 2010, he received Consultant of the Year honors at Magenic. Steve believes the data in the cloud will change how information can be delivered to and consumed by the masses. He also provides insights from the field on his blog at <http://www.dataonwheels.com>. Steve currently leads the Minnesota SQL Server User Group (PASSMN) and is a PASS Regional Mentor for the Northeast.



### **Philip Japikse**

*Evangelism Lead, Telerik*  
 An international speaker, Microsoft MVP, MCSD, CSM, and CSP, and a passionate member of the developer community, Phil Japikse has been working with .Net since the first betas, developing software for over 20 years, and heavily involved in the agile community since 2005. Phil works as a Senior Developer Evangelist for Telerik's RadControls for Windows 8 as well as the Just family of products (JustCode, JustMock, JustTrace, and JustDecompile), and serves as the Lead Director for the Cincinnati .Net User's Group and the Cincinnati Software Architect Group, co-hosts the Hallway Conversations podcast ([www.hallwayconversations.com](http://www.hallwayconversations.com)), and founded Agile Conferences, Inc., a non-profit dedicated to advancing agile in all aspects of software development. Phil also serves as Cub Scout Committee Chair for his sons' Cub Scout Pack, volunteers for the National Ski Patrol, and is a recently retired Firefighter/Paramedic. You can follow Phil on twitter via [www.twitter.com/skimedica](http://www.twitter.com/skimedica) and read his blog at [www.skimedica.com/blog](http://www.skimedica.com/blog).

## CONFERENCE SPEAKERS, CONTINUED



### **Deborah Kurata**

*President, InStep Technologies, Inc.*  
 Deborah Kurata is cofounder of InStep Technologies Inc., a professional consulting firm that focuses on turning your business vision into reality using Microsoft .NET technologies. She has over 15 years of experience in architecting, designing, and developing successful applications. Deborah has authored several books, including the “Doing Objects” series (Addison-Wesley), “Best Kept Secrets in .NET” (Apress) and “Doing Web Development: Client-Side Techniques” (Apress).

Deborah speaks at conferences such as Visual Studio Live! and TechEd and at local events such as code camps. For her work in support of software development and software developers, she has been recognized with the Microsoft Most Valuable Professional (MVP) award. After a hard day of coding and taking care of her family, Deborah enjoys blowing stuff up (on the Xbox of course).



### **Brian Lagunas**

*Product Manager, Infragistics*  
 Brian Lagunas is a Microsoft MVP, a Microsoft Patterns & Practices Champion, an INETA

Community Speaker, co-leader of the Boise .Net Developers User Group (NETDUG), board member of Boise Code Camp, and original author of the Extended WPF Toolkit. He is a multi-recipient of the Microsoft Community Contributor Award and can be found speaking at a variety of user groups and code camps around the nation. His talks always involve some form of XAML, such as WPF, Silverlight, and Windows 8, as well as how to build modular applications with Prism.

Brian currently works at Infragistics as a Product Manager for NetAdvantage for WPF and Silverlight components, and NetAdvantage for Windows UI control suite. Prior to working at Infragistics he worked in the construction and engineering industry as a senior software engineer and software solution architect where he specialized in enterprise application development. Before geeking out, Brian served his country in the United States Army as an infantryman and later served his local community as a deputy sheriff. In his spare time he authors courses for Pluralsight, blogs about XAML technologies, and hosts XAML TV. The easiest way to find Brian is on twitter at @BrianLagunas.



### **Nick Landry**

*App Artisan, Mobility42*  
 Nick Landry (@ActiveNick) is an App Artisan and mobility pioneer at Mobility42,

specializing in the design and production of mobile applications for consumers and the enterprise. Nick offers custom development, mobile strategy, training and coaching services on Windows Phone, iOS, Android, Mobile Web, Xamarin and PhoneGap. Nick is also a Nokia Developer Ambassador whose mandate is to support Windows Phone developers to maximize their success. He previously spent most his career in IT consulting and services organizations across various technical and business roles, designing, building, managing and selling innovative software solutions for some of the world’s top brands and Fortune 500 companies.

Known for his dynamic and engaging style, he is a frequent speaker at major software development conferences worldwide like Visual Studio Live!, HDC, PrDC, DevTeach,

Xamarin Evolve, TechEd, and others. Nick is a 9-year Microsoft MVP awarded on Windows Phone Development, and a Nokia Developer Champion. With over 20 years of professional experience, Nick is a developer and software architect by trade and specializes in Cross-Platform Mobility, Location Intelligence & Geospatial development, Data Visualization, Touch Computing, Cloud Computing and Mobile Game Development. He authored multiple technical magazine articles, white papers, and mobility courses, has been a technical editor for IT books, and holds several professional certifications.



### **Vishwas Lele**

*Architect, AIS*  
 Vishwas Lele is an AIS Chief Technology Officer and is responsible for the company

vision and execution of creating business solutions using .NET technologies. Vishwas brings close to 20 years of experience and thought leadership to his position, and has been at AIS for 13 years. A noted industry speaker and author, Vishwas is the Microsoft Regional Director for the Washington, D.C. area and a member of the Connected Systems Division Advisors group. Additionally, Vishwas has received an MVP (Most Valuable Professional) for Solution Architecture award for 2009.



### **Rockford Lhotka**

*CTO, Magenic*  
 Rockford Lhotka is the CTO of Magenic, and is the creator of the widely used CSLA .NET

development framework. He is the author of numerous books on software development, and regularly speaks at major conferences around the world. Rockford is a Microsoft

Regional Director and MVP. Magenic (magenic.com) is a company that specializes in planning, designing, building and maintaining your enterprise’s most mission critical systems. For more information go to lhotka.net.



### **Jesse Liberty**

*Master Consultant, Falafel Software*

Jesse Liberty is a Master Consultant for Falafel Software,

a Microsoft MVP, an author, and he creates courses for Pluralsight. Liberty hosts the popular Yet Another Podcast and his blog is considered required reading. He was a Senior Evangelist for Microsoft, a XAML Evangelist for Telerik, a Distinguished Software Engineer at AT&T; Software Architect for PBS, and Vice President of Information Technology at Citibank. Jesse can be followed on twitter at @JesseLiberty



### **Leonard Lobel**

*CTO, Sleek Technologies, Inc.*

Leonard Lobel is the chief technology officer (CTO) and co-founder of Sleek Technolo-

gies, Inc., a New York-based development shop with an early adopter philosophy toward new technologies that services organizations ranging from small shops to high-profile clients. He is also a principal consultant at Tallan, Inc., a Microsoft Gold Certified Partner. Programming since 1979, Lenni specializes in Microsoft-based solutions, with experience that spans a variety of business domains, including publishing, financial, wholesale/retail, health care, and e-commerce. Lenni is also a Microsoft MVP for SQL Server, lead author of the MS Press book “Programming Microsoft



## CONFERENCE SPEAKERS, CONTINUED

SQL Server 2008” (currently being updated for SQL Server 2012), consultant, trainer, and frequent speaker at local usergroup meetings, Visual Studio Live!, SQL PASS, and other industry conferences. He can be reached at [lenni.lobel@sleektech.com](mailto:lenni.lobel@sleektech.com).



**James McCaffrey**

*Research Software Engineer, Microsoft Research*

Dr. James McCaffrey works at Microsoft Research in Redmond, WA. James is also the Senior Contributing Editor for Microsoft’s MSDN Magazine. James holds a BA in mathematics from California State University at Fullerton, a BA in psychology from the University of California at Irvine, an MS in computer science from Hawaii Pacific University, and a PhD from the University of Southern California.



**Lou Miranda**

*Technical Engineer, Mobility Group, Magenic Technologies*

Lou Miranda is Technical Engineer and leader of the Mobility group at Magenic. He has over 25 years of experience architecting and executing enterprise software projects. Lou has been working exclusively with mobility since 2008, covering all development platforms and device types, after having extensive experience in MS-DOS, Windows, OS/2, Java, and the Web. Lou has co-authored a ‘bible’ book on WebLogic Server, wrote for many technical and consumer magazines including Windows Tech Journal, OS/2 Magazine, J2EE Journal, and was a contributing editor at PC World magazine. Lou is a thought leader on mobility and an in demand speaker and panel member at industry and client mobility forums

including; the Enterprise Mobility Summit, the Minnesota Government IT Symposium, Code Mastery, iOS user groups, and Modern Apps Live!



**Ted Neward**

*Architectural Consultant, Neudesic*

Ted Neward is a programming language, virtual machine, and enterprise-scale system architect. He has written a dozen books and hundreds of articles on .NET, Java, enterprise systems, and programming languages. He resides in the Pacific Northwest. He can be found on the Internet at [www.tedneward.com](http://www.tedneward.com), particularly his weblog at <http://blogs.tedneward.com>.



**Brian Noyes**

*CTO, Solliance*

Brian Noyes is CTO and Architect at Solliance. Brian is a Microsoft Regional Director and MVP, and specializes in rich client technologies including XAML and HTML 5, as well as building the services that back them with WCF and ASP.NET Web API. Brian has authored several books including Developer’s Guide to Microsoft Prism 4, Data Binding with Windows Forms 2.0, and Smart Client Deployment with ClickOnce. He publishes articles frequently in a variety of publications and speaks at conferences worldwide including Microsoft TechEd, Visual Studio Live!, DevTeach and others. Brian got started programming as a hobby while flying F-14 Tomcats in the U.S. Navy, later turning his passion for software into his current career. You can follow Brian through his blog at <http://briannoyes.net> and Twitter @briannoyes.



**Brian Peek**

*Senior Technical Evangelist, Microsoft*

Brian Peek is a Senior Technical Evangelist at Microsoft, working on the Channel 9 team. Previously a Microsoft MVP in the C# discipline, he has authored numerous articles and projects for the Coding4Fun website and Microsoft conferences. Brian specializes in software development using a variety of Microsoft technologies and platforms. He is also well-versed in hardware projects, graphics and game development. Additionally, he has co-authored the book “Coding4Fun: 10 .NET Programming Projects for Wiimote, YouTube, World of Warcraft, and More” published by O’Reilly, and the book “Debugging ASP.NET” published by New Riders. Brian speaks at conferences around the country and can be reached on Twitter at @BrianPeek or via his blog at [www.brianpeek.com](http://www.brianpeek.com).



**Ben Ramseth**

*Instructor Technical Lead, Esri*

Ben Ramseth works as an Instructor Technical Lead for the GIS software company Esri. He teaches classes on software development using Esri’s APIs and SDKs domestically and around the world. When not teaching, you can find him at conferences talking to developers about the benefits of integrating spatial data into their enterprise systems. Outside of work, you can find him far away from computers, playing disc golf with his wife and three dogs.



**Brian Randell**

*Senior Consultant, MCW Technologies*

Brian A. Randell is a senior consultant with MCW Technologies, LLC. For over 20 years, Brian has been building software solutions and educating his fellow developers. Brian spends his time teaching Microsoft technologies to developers, working with new and emerging technologies like Visual Studio 2010, Team Foundation Server 2010, SQL Server 2008 R2, and SharePoint 2010, and consulting worldwide for Fortune 500 companies like Microsoft, state and local governments, and small businesses. Brian enjoys helping people get the most out of their software. He does this through training for MCW Technologies and speaking at events such as Visual Studio Live!, Tech-Ed, and BUILD. In addition, Brian shares through the written word. Brian currently writes the Team System column for MSDN Magazine.



**Aidan Ryan**

*Lead Consultant, Magenic Technologies*

Aidan Ryan got his start programming text adventures in GW-BASIC and hasn’t looked back since. He is a .NET developer specializing in client-side technologies and web services, and employs these skills as a Lead Consultant at Magenic. Aidan is excited about the fast pace of innovation in web technology. He enjoys recording and performing music, comics, LEGO, and comedy. <http://www.aidanryan.com>

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