



# FAIRFIELD / WESTCHESTER CODE CAMP 4

## Speakers / Sessions - November 6, 2010

### Ames, Ned

Edwin "Ned" Ames has worked in software development for over a decade, producing applications for clients in multiple industries ranging in size from startups to multinationals. His primary language is C#; before that he worked in Visual Basic and Visual FoxPro among others. He is a C# MVP.

He entered software by tinkering. You can still occasionally find him following his nose into uncharted waters.

By day, Ned develops software for his employer, Yellow Book USA. After hours he tinkers with software and works on articles and presentations for the community. He also offers custom software development through his PA company, Purposeful Solutions, Inc.

#### **ASP.NET MVC - To the Server and Back Again**

The presentation will walk you through the Microsoft technology stack for ASP.NET MVC. We'll cover the client HTTP request, as well as HTTPModules, Global.ascx, ASP.NET MVC processing, and the local object model. Along the way we'll identify points where you can change the default behavior to suit your needs. We'll wrap up with a brief discussion of stateful vs. stateless applications and where we might be going. You'll come away with a basic idea of what you need to know to write your own ASP.NET MVC applications. (Level 100)

### Appel, Rachel

Rachel Appel works as a developer evangelist for Microsoft based in the NYC Metro area. Previous to joining Microsoft, Rachel has worked with a variety of languages, technologies and systems. She has developed software products of all sizes, from small desktop programs to large scale enterprise applications at some of the world's leading companies. Rachel's expertise lies within developing solutions that align business and technology using the Microsoft .NET family of products, particularly ASP.NET and SQL Server. She is also a recognized speaker who can be found giving talks at national conferences such as DevConnections, MIX, CodeStock and others. Rachel is also an alumni of the Microsoft MVP award program and INETA Speakers Bureau.

#### **Introduction to WebMatrix**

WebMatrix is a free tool that features a complete stack (web server, database, programming) for web development. It's lightweight, installs quickly, and has been designed to make things easy. In this presentation, you'll learn how to do the basics to get a web application up and running using the Web Platform Installer, from start to deployment. (Level 100)



## FAIRFIELD / WESTCHESTER CODE CAMP 4

### Speakers / Sessions - November 6, 2010

#### **Babiec, Andrew**

Andrew Babiec is a Director of Software Technology for Tallan, with 13 years of experience in custom business software development, primarily in .NET, BizTalk and J2EE. He is an active speaker at New England Code Camps and user group meetings, offering insights from his hands-on work at clients such as barnesandnoble.com, XL Insurance and Lincoln Financial Group. In addition, Andrew is a BizTalk Virtual Technical Specialist, leads the Visual Studio Team System ALM practice at Tallan and has been certified as a PMP and Trainer for the Professional Scrum Developer program.

#### **Better User Authentication and Authorization - Claims-Based Identity and Access Control**

Does your client have multiple silos of user account information scattered throughout their organization? Does your app need to support internal (AD) and external users (username/password)? Does your client need to support Single Sign-on across multiple apps - even ones deployed to the cloud? This tech talk offers an explanation of federated security and claims-based identity and how it can help with user authentication and authorization in your web applications and services. While the source code examples in this tech talk cover Microsoft/.NET specific technologies (ADFS, Windows Identity Foundation), the concepts and protocols (WS-Trust and SAML) are vendor and technology neutral. (Level 200)

#### **NoSQL for .NET Developers**

You might have heard a lot about NoSQL but aren't sure what it entails and how or why you should use it. This session will explain where this term came from, what it covers and the technology behind it. In addition, this session will include .NET code examples that utilize NoSQL for persistence. (Level 200)

#### **Baird, John**

John Baird began his computer programming career while in the US Navy. In 1982, he helped form and direct the first PC-based computer processing department for training and manpower in the Department of Defense. After leaving the military in 1988, John began a varied career as a consultant developing business applications ranging from computer-based training to vertical market software for resellers.

Today, John is working for the industry leader in financial software for fund administration. John was recently awarded MVP status for the 3rd time for device application development.

#### **Introduction to Silverlight**

We'll take a look at the newest incarnation of UI building tools from Microsoft. This presentation will look at the basics of Silverlight, including Layout, Styles and Themes, and Data Binding. (Level 100)



## FAIRFIELD / WESTCHESTER CODE CAMP 4

### Speakers / Sessions - November 6, 2010

#### **Windows Phone 7 Development**

This is an introduction to Windows Phone Development. In this session we will look at the Market Place and what you must do to get an app on it. We will look at the API's and demo a sample app built in Silverlight. (Level 100)

#### **Blake, Larry**

Larry Blake has been involved with Microsoft development tools since 1992, with Visual Basic 1.0. He currently holds a Microsoft MVP in Visual Basic. Larry is available for contract coding in VB, C#, VBA and ASP, and for Project Management. See: <http://mysite.verizon.net/lmblake>.

#### **Using the Visual Studio 2010 Chart Control**

This session introduces how to produce a variety of graph types in both WinForms and ASP.NET, using the Chart control in VS 2010. Examples are in VB and C#. Basic programming skills are assumed. (Level 200)

#### **Bohlen, Stephen**

Currently a Senior Software Engineer for SpringSource, where he is the Technical Lead and Community Evangelist for the Spring.NET Framework, Stephen Bohlen brings his varied 18-year-plus experience in software and technology to the design and delivery of Software Engineering Solutions and Frameworks for other Software Engineers. In addition to his work on Spring.NET, Stephen is also an active contributor to several other .NET Open-Source Software projects including NHibernate, NDbUnit, and others as well having developed a number of Visual Studio productivity add-ins.

Active in the software development community, Stephen speaks publicly, blogs (semi-)regularly, and is the author of several popular screencast series focused on Agile and ALT.NET concepts and technologies including the widely-praised 15-part Summer of NHibernate video series introducing viewers to the popular open-source O/RM tool. Stephen is also a founding/organizing member of the NYC ALT.NET user group which meets monthly to discuss Agile-focused techniques and technologies in the world of Microsoft software development and beyond.

#### **Taming Dependency Chaos with Inversion-of-Control Containers**

If a little decomposition is good, then A LOT of decomposition is better right? Well, maybe not :) In this talk, we'll take a look at understanding the intent behind Dependency Injection, understand the value of following the Single Responsibility Principle in our OO designs, and investigate the trouble that blind adherence to this pattern can often cause in our projects. To solve these problems, we'll dig into the benefits of using an Inversion-of-Control (IoC) container, explore just what's really going on under the hood with these things, and understand patterns and anti-patterns for their use in our code. Attendees should possess good intermediate C# language skills and understand core OO design principles. (Level 200)



# FAIRFIELD / WESTCHESTER CODE CAMP 4

## Speakers / Sessions - November 6, 2010

### **Unit Testing Patterns and Anti-Patterns**

Trying to unit test your code but finding that you end up with brittle, hard-to-maintain unit tests that are taking more and more of your time to keep current as your production code evolves? Do you KNOW you should be writing tests, but just cannot find an efficient way to do so? Then this talk is for YOU! Effective unit testing is more art than science -- in this talk we'll look at both Patterns and Anti-Patterns for writing, organizing, and designing efficient, effective unit tests that help to ensure your tests continue to add value to your project throughout its evolution rather than becoming an anchor that weighs down your progress and impedes your speed! Learn both what to do and what NOT to do from someone who has been writing unit tests for over ten years! Attendees should have at least some familiarity with basic unit testing frameworks (using Asserts, etc.) and be comfortable with general C# language constructs. (Level 200)

### **Buskirk, Daniel**

Dan Buskirk specializes in high-performance database tuning, data analysis and data mining. Leaving attractive user interface design to others, he prefers to concentrate on number-crunching and algorithm development for parallel systems. When not developing code, he enjoys sports cars and aviation.

### **F# For Quantitative Finance**

We'll start with a quick overview of the F# interactive environment, quite suitable for programmers new to F# or just curious. We shall then illustrate the functional style of coding with examples chosen from mathematics and quantitative finance. Ultimately, our goal is to see how F# provides a seamless path from interactive model development to high-performance libraries and applications; towards this end we will see how F# code integrates with existing libraries such as the open-source QuantLib and highly parallel GPU (Graphics Processing Unit) libraries for linear algebra. (Level 100)

### **Chatterjee, Supriyo "SB"**

Supriyo "SB" Chatterjee is an Architect/Tech-lead based in Hartford, CT. He has over 20 years IT experience and has worked at companies like Aetna, IBM, UNICEF and State of Connecticut. He holds graduate degrees in Computer Science, Business Administration and Economics. He was thrice awarded the Microsoft MVP Award for Groove. He moderates several public SharePoint Workspace (Groove) workspaces and is an Acting Director of the Connecticut .NET Developers Group. Twitter: [@sbc111](https://twitter.com/sbc111) MVP: <http://tinyurl.com/sbcmvp>

### **SharePoint 2010 Development with Visual Studio 2010**

This is an introduction to the new Visual Studio 2010 facilities for developing SharePoint 2010 applications and artifacts. VS2010 delivers a new set of project templates, explorers and features development that makes a .NET developer more productive on the new SP2010 platform. We'll start with building a development environment, working with SP2010 API code examples and exploring best practices for SP2010 development. Some knowledge of SharePoint and C#/.NET development is presumed. (Level 100)



# FAIRFIELD / WESTCHESTER CODE CAMP 4

## Speakers / Sessions - November 6, 2010

### Cotter, Hilary

Hilary Cotter is a SQL MVP who has over 20 years of experience in IT. He has been a SQL Server MVP for 10 years now. He specializes in performance tuning, replication and full-text search.

#### **SQL Server Performance Tuning**

Solving performance problems in SQL Server is one of the most frustrating tasks facing a DBA. In this session, SQL Server MVP Hilary Cotter shows you how to plough through the mountains of diagnostic information SQL Server presents to you and isolate the current bottlenecks in your system. Take aways from this presentation is a performance tuning methodology, and freely available tools that will help you to determine what is bringing your server to its knees. (Level 200)

### Douglass, David

David Douglass has been developing software for over 30 years, having worked on mainframes, mini computers, and PCs. He's been developing almost exclusively with .NET since 2002. Currently, he's working at ADP as the project lead for a printing services system built using .NET.

#### **Grafting Entity Framework 4**

This presentation will examine Entity Framework 4's ability to work against already established data models. After a very brief introduction to EF4, we'll examine how it handles:

- Creating the EF model from a database and evolving the model and database scheme in tandem
- Auto-generated keys
- Many-to-many relationships
- NULL values
- Stored procedures
- Denormalization
- BLOBs
- XML data type
- Super types / sub types
- Distributed transactions

(Level 200)



## FAIRFIELD / WESTCHESTER CODE CAMP 4

### Speakers / Sessions - November 6, 2010

#### **Finke, Doug**

Doug Finke, a Microsoft Most Valuable Professional (MVP) for PowerShell, started the New York City PowerShell Script Club, and he is a software developer at Lab49, a company that builds advanced applications for the financial service industry. For the last 20 years, Doug has been a developer and author working with numerous technologies. You can catch up with Doug at his blog **Development in a Blink** at <http://dougfinke.com/blog/>.

#### **PowerShell for Developers**

Doug Finke takes us on a deep dive into PowerShell from a developer's point of view. Doug shows techniques for integrating/debugging PowerShell from and to C# code as well as using PowerShell with a Windows Presentation Foundation (WPF) application. He also addresses using reflection at the command line, object pipelining, and PowerShell's REPL. (Level 200)

#### **Goff, Kevin S.**

Kevin S. Goff is a 2010 SQL Server MVP, and was a .NET / C# MVP from 2005 through 2008. He is a SQL Server / Business Intelligence senior instructor and courseware author for SetFocus, LLC, and a columnist for CoDe Magazine (Baker's Dozen Productivity Series). Kevin has been a developer / contractor in the industry since 1987.

#### **Cool Reporting Features in SSRS 2008R2**

In this presentation, Kevin will show about a half-dozen different report examples in SSRS 2008R2. Each report demonstrates different features in SSRS 2008R2 that are sure to please different business users. These new features include sales heat maps, sparklines, performance gauges, better page control, uses for the Tablix control, better charting, and new features for SharePoint 2010 integration. (Level 200)

#### **Integrating SSRS with SharePoint**

In this session, Kevin walks through the necessary configuration steps for integrating Reporting Services with SharePoint. While he'll focus on SharePoint 2010, much of what he'll cover relates to SharePoint 2007 as well. He'll show how set up report schedules and report subscriptions, to automatically deliver SSRS content to user SharePoint Document libraries. If you're trying to figure out how to marry SSRS and SharePoint, this session is for you! (Level 200)

#### **Hart, Johnson M.**

Johnson (John) M. Hart is a consultant specializing in parallelism, Microsoft Windows and .NET application development, and technical training and writing. He has many years of experience as a software engineer, manager, and architect at Cilk Arts, Inc. (acquired by Intel), Sierra Atlantic, HP, and Apollo Computer. He has delivered technical training courses to clients including HP, Intel, DoD, DoE, and many smaller organizations. John



## FAIRFIELD / WESTCHESTER CODE CAMP 4

### Speakers / Sessions - November 6, 2010

served as computer science professor for many years and has authored four editions of "Windows System Programming" (Addison-Wesley, 2010). John still enjoys pushing bits around as fast as possible.

#### **Data Stream Processing: Parallelism and Performance with PLINQ and C#/.NET**

File and data stream processing is a fundamental computing task, and numerous practical stream processing problems are inherently parallel, allowing improved performance and throughput on multi-core systems. This talk will compare several distinct Windows methods to solve problems with a high degree of data parallelism, showing original and performance-enhanced code and performance results on a variety of systems.

The benchmark "Geonames" problem is taken from Magennis' book, "LINQ to Objects Using C# 4.0", Chapter 9. Results with this problem and its generalizations show:

1. Magennis' original PLINQ solution is slower by a factor of nearly 10 compared to the best solutions, and it scales negatively beyond two tasks, whereas the other solutions scale well up to 6 tasks with 6 cores (the maximum tested). However, code enhancements improve the original solution significantly.
2. The PLINQ code is the simplest and most elegant in all respects because LINQ provides a declarative query capability for memory-resident as well as external data. The native code is ungainly, and the C#/.NET code is considerably better than, but not as simple as the PLINQ code.
3. PLINQ performance can be nearly competitive with C# and native code performance, but only if you add significant code enhancements and pre-process the data into an indexed, in-memory structure. The pre-processing is time-consuming and is only worthwhile if the cost can be amortized over multiple queries.
4. All methods scale well with file size up to the limits of the test system physical memory.
5. Performance on systems with hyper-threaded processors does not scale with the number of tasks as well as on systems without hyper-threading.

(Level 200)

#### **Heim, Roger**

Roger Heim has been a professional software developer and consultant since 1989 and an independent .NET developer since 2001. Prior to becoming independent he was Director of Development for CAT Systems, Inc. in Clifton, NJ developing and supporting vertical accounting software for the construction industry.

He has spent the last several years specializing in creating software for business managers that integrates with legacy systems and data. In the last several months he has been investigating techniques for streamlining interoperability between the Android platform and the Microsoft .NET platform.

In his microscopically small free time he enjoys cooking, old movies, and playing Guild Wars.

Follow Roger on Twitter at <http://twitter.com/RogerHeim>.



## FAIRFIELD / WESTCHESTER CODE CAMP 4

### Speakers / Sessions - November 6, 2010

#### **Android and WCF Services**

So the sales manager walks into your office with his bright shiny Droid 2 and says his golf buddy showed him an app on his smartphone accessing his company's sales dashboard and wants you to do the same thing. Only problem is his buddy's phone is an iPhone! Are you hosed? Not at all. Android can consume ASMX and WCF services by using third-party libraries to serialize and deserialize the data that makes it almost as easy as Visual Studio's "Add Service Reference." Or for maximum control and flexibility you can parse out the XML or JSON yourself. In this talk Roger will show you how to build an Android app that talks to ASMX and WCF services for a hypothetical sales manager's dashboard. (Level 200)

#### **Hoffman, Kevin**

Kevin Hoffman is a Systems Architect for Oakleaf Waste Management as well as an architect and lead developer for Exclaim Computing. He has been working with the .NET Framework since 2001 and has presented at many Microsoft events, user groups, and even presented twice at Apple's popular Worldwide Developer Conference (WWDC). He has written two apps that are currently available in the App Store, and has been working with the Windows Phone 7 SDK since it was first available. He has also written or co-written over 14 books on virtually all aspects of the .NET Framework.

#### **WP7 for iPhone Developers**

This session provides an overview of Windows Phone 7 development with Silverlight, but from the perspective of an iPhone developer. The goal is to translate knowledge of Xcode, iOS, and UIKit into the basic building blocks of building WP7 applications. (Level 200)

#### **Japikse, Philip**

Phil Japikse has been working with .NET since the first betas, and developing software for over 20 years. Phil is a Microsoft MVP and also holds MCSD, MCDBA, CSM, and CSP certifications. Phil is an international speaker and a passionate member of the developer community, speaking at code camps and Days of .NET all across the country as well as serving as the Lead Director for the Cincinnati .NET User's Group.

Phil works as the Patterns and Practices Evangelist for Telerik ([www.telerik.com](http://www.telerik.com)), is a Firefighter/Paramedic, and a volunteer for the Ski Patrol. You can follow Phil on twitter via <http://twitter.com/skimedic>, and read his blog at <http://skimedic.com/blog>.

#### **SOLID Development Patterns for Mere Mortals**

Software development patterns have been around long before the MVC Framework gained momentum. In this session we will start with a review of Robert C. Martin's (Uncle Bob) SOLID macronym. After building the proper foundation, we will look into the several development patterns, their C# implementation, and when and how they should be used in modern software development. (Level 200)



## FAIRFIELD / WESTCHESTER CODE CAMP 4

### Speakers / Sessions - November 6, 2010

#### **Test Driving ASP.NET MVC**

There are many benefits to the ASP.NET MVC framework, and one of the biggest is the testability. In this session you will learn to test your routes, controllers, and models BDD style with MSpec and MbUnit, and use WatiN to certify the user interface. (Level 200)

#### **Kadasani, Reddy**

Reddy Kadasani has over 10 years of experience in custom business software development, Enterprise Architecture, ALM, and Project Management. Reddy's primary focus area is .NET, BizTalk, TFS, SharePoint, Agile Development, and Scrum. In addition, Reddy is part of the Architecture committee at Tallan. He is a MCTS, Certified Scrum Master and a PMP.

Reddy has also presented technology topics at numerous code camps and the Local .NET User group (CTDOTNET). He is a member of PMI and INETA.

#### **Test Driven Development using Visual Studio 2010**

The goal of Test Driven Development is to have "Clean code that works" (Ron Jeffries). In this session we will step through the various patterns of TDD and see how we can achieve clean code that works. We will see how tooling can help with TDD -- especially, the features in VS 2010 that can help you become more productive and ease you into TDD. We will look at some common TDD patterns and Unit Testing frameworks such as xUnit and Mocks. (Level 200)

#### **Kadimdiwan, Sunil**

Sunil Kadimdiwan has 25+ years experience in architecting and implementing database solutions. He has deep knowledge of the Microsoft SQL Server and Business Intelligence technology stack. He is a frequent speaker at Microsoft sponsored code camps and user group meetings in the New England region.

#### **Maps, Sparklines and Report Part Gallery with SSRS 2008 R2**

SSRS 2008 R2 has many exciting enhancements. Show your business data on Maps. Sparklines, Data bars and Indicators will help you show trending. End-users will be able to drag-n-drop a functioning report from a Report Gallery. I will demo how you to use many of these useful features. (Level 200)

#### **Karumuru, Rajasekhar**

Rajasekhar Karumuru is totally into Microsoft applications and very passionate about Microsoft technologies. He has 12 years of software development experience with 7 years of proficiency in .NET technologies. He specializes in implementing Client/Server, Object-Oriented, Service-Oriented applications, Windows-based and Internet-based systems using Microsoft technologies. Areas of expertise include .NET 4.0/3.5/2.0/1.x, C#, ASP.NET, AJAX, VB.NET,



## FAIRFIELD / WESTCHESTER CODE CAMP 4

### Speakers / Sessions - November 6, 2010

ASMX Web Services, WCF Services, ADO.NET, Windows Forms, Web Forms and XML. Before progressing to .NET development, he worked with VB, COM, DCOM, MTS, ASP technologies for 4 years. He also has good knowledge of SQL Server and ORACLE databases. He's developed commercial systems for top-tier investment banks, financial services, business intelligence, insurance, ERP, telecom, transportation, imaging and software development industries. He will be using design patterns as part of his day to day job, which is delivering proof of concepts and applications based on client needs using the .NET suite.

#### **Design Patterns of C# and ASP.Net in Action**

Want to know all about C# and ASP.Net patterns in action? This session explains:

- What are design patterns?
- Why they're used?
- Patterns in practice (Gang of Four and Enterprise Integration)
- Patterns being used in the .NET Framework

(Level 200)

#### **Programming WCF Services in C#**

This session will cover:

- WCF Essentials - Address, Binding and Contracts
- WCF Behaviors
- WCF in Action
- Using WCF for Silverlight Apps
- Best Practices
- What is REST anyway?

(Level 200)

#### **Krivyakov, Ivan**

Ivan Krivyakov is a software developer/architect with 15 years of experience in software industry. His main interests include agile development, unit testing, WPF, functional programming, etc. Ivan currently holds a position of Senior Manager at Sungard Consulting Services, and provides consulting services to major financial clients in New York metropolitan area.

#### **WPF Programming with MVVM**

We will discuss building WPF applications with and without MVVM, pros and cons of the MVVM model, how it compares to classic Model-View-Presenter, implications on testability of the application, etc. (Level 200)



## FAIRFIELD / WESTCHESTER CODE CAMP 4

### Speakers / Sessions - November 6, 2010

#### Mauer, George

George Mauer is a software developer based out of New Orleans with an interest in building simple, maintainable, software. He has spoken on C# patterns, architecture concepts, and specific technologies at various user groups, Houston Techfest, and BarcampNola. He is currently employed as a Senior Developer at EPS Software/CoDE Consulting and runs the New Orleans .NET User Group. He also performs with the improv comedy troupe **Based on Real Life**. You can find him on twitter [@togakangaroo](https://twitter.com/togakangaroo).

#### Getting Started With Mercurial: More Than Just Source Control

Far too many developers are still stuck in the centralized-server worlds of SVN and TFS. The world has moved on: Git! Mercurial! Bazaar! You will be taken through installing, setting up, and developing with Mercurial. This will include a discussion of the benefits of moving to a distributed system as well as a quick pro and con of the available options. (Level 100)

#### You Can't Dance the Lambda

You Can't Dance the Lambda is a discussion on the lambda feature of .NET 3.5, why George uses it all the time and for everything and so should you. The discussion starts by defining lambdas and demonstrating why they are nothing but syntactic sugar over concepts that .NET programmers have been familiar with for years. It continues by demonstrating a variety of patterns which use lambdas to abstract away repetitive code, increase extensibility, and write more intention-revealing and robust applications. This talk has been given at several user groups as well as for the Virtual Alt.NET meetups. (Level 200)

#### Morgridge, Dane

Dane Morgridge has been a developer for 9+ years and has worked with .NET and C# since the first public beta. His current passions are Entity Framework, WPF, WCF, Silverlight and LINQ and is currently a Microsoft MVP for Data Platform Development. He works mostly with C#, but is also a big fan of whatever new technology he happens to come across. In addition to software development, he is the host of the **Community Megaphone** podcast and also enjoys dabbling in graphic design, video special effects and hockey. When not with his family, he is usually learning some new technology or working on some side projects. He is currently working as a Solution Architect at LiquidHub near Philadelphia, PA. He can be reached through his blog (<http://geekswithblogs.net/danemorgridge>) or on Twitter: [@danemorgridge](https://twitter.com/danemorgridge).

#### Getting Started with Entity Framework 4

With .NET 3.5, Microsoft released LINQ to SQL, and with .NET 3.5 SP1 came the Entity Framework, both powerful ORM tools leveraging LINQ technology. Entity Framework v1, while usable, was definitely lacking some important features and the Entity Framework team delivered with version 4, coming with Visual Studio 2010. In this session we will look at Entity Framework 4 from the ground level and you will get a solid understanding of its basic principles. We will also go through all of the new features in Entity Framework 4 and see how far it's come since



## FAIRFIELD / WESTCHESTER CODE CAMP 4

### Speakers / Sessions - November 6, 2010

the initial release. If you've never taken a look at Entity Framework, now is the time as version 4 is the real deal. (Level 200)

#### **Testable Entity Framework**

As test driven development and unit testing are becoming more common practices in building good software, it is important that the tools you use support those development options. While still technically possible, Entity Framework v1 made it more difficult to achieve. With the new support for persistence ignorance through POCO with Entity Framework 4, testing and mocking is much easier. In this session we will look at options for testing using Entity Framework and how you can implement common patterns such as the repository pattern. Whether you are have experience writing tests or not, you will walk away with the information you need to start implementing testing in your application and still have the option of using Entity Framework for your data access. (Level 200)

#### **Shackles, Greg**

Greg Shackles is a Senior Application Developer at MagazineRadar, a New York City based company providing market research for the publishing industry. Greg holds a M.S. in Computer Science from Stony Brook University, and is also a member of the New York City ALT.NET user group. His blog, which focuses mostly on .NET topics, can be found at <http://www.gregshackles.com>.

#### **Introduction to Android Development Using .NET and MonoDroid**

The Android platform has become a major player in the mobile space, but requires writing applications in Java. With the introduction of MonoDroid, .NET developers are now able to leverage many of their favorite .NET languages to write Android applications. This talk will act as an introduction to Android development using MonoDroid, starting with the fundamental aspects of the Android architecture, and then diving into real code examples. (Level 100)

#### **Shaw, Richard Hale**

Richard Hale Shaw is an out-spoken questioner of patterns and practices (not to mention software industry sanity), and a consultant and lecturer who's specialized in developing Managed Code applications and components using Microsoft's .NET technology and the C# and F# programming languages. A Microsoft MVP for Visual C# since 2003 and speaker since 1990, Richard has taught software development principles to thousands of developers, from large conference groups to small teams.

Richard's latest focus is on how software developers think, developer psychology, and how software developers grow by changing their self-talk, their habits, their goals and – ultimately – their thinking.

You can reach him at <http://CodeWithConfidence.net>.



# FAIRFIELD / WESTCHESTER CODE CAMP 4

## Speakers / Sessions - November 6, 2010

### **Habits of Successful Software Developers**

For Software Developers, success comes in a variety of forms:

- Shipping a new product – or a new version of it – on-time and under budget with an acceptable minimum number of defects;
- Confidence in being able to define a problem and implement a solution;
- Understanding – and internalizing – User’s requirements (even when they don’t know this themselves);
- Writing easily understood, easily modified code with sufficient commenting, Unit Tests, and regular check-in.

There’s more...but these are all traits of successful software development, the results that are produced by successful programmers. The question is: how do you get there? How do you become a developer that delivers this way?

The operative word: Habits.

In this session, we’ll discuss what these habits are, how you create them and how you ensure that they take root and grow – and to do so, Richard will draw off of nearly 28 years of programming, development, team leadership, consulting and other experience in the software industry. If you’re unhappy with whom you are as a programmer, or think that you can vastly improve your ability to perform as a software developer, you’ll not want to miss this session. (Level 100)

### **Van Horn, Matt**

Matt Van Horn is a Consultant with Services group at Infragistics, a world leader in user interface (UI) development tools and experts in the User Experience (UX) market. In his current role, Matt is responsible for working with customers to develop innovative applications.

Matt, a seasoned developer with proficiencies in a wide-array of programming languages and platforms, focuses on creating flexible and dynamic code tailored to the specific needs of customers. Matt is an experienced presenter, regularly speaking at user group meetings and code camps.

### **Depending on Dependency Properties**

If you are working with Silverlight/WPF and don’t take advantage of dependency properties you are probably doing things the hard way. Between Dependency Properties and Attached Dependency Properties there are many complex problems that you can solve surprisingly easily. This talk is aimed at sharing some of what Matt has come to understand about how to leverage Dependency Properties and Binding in Silverlight/WPF to build quick and easy solutions for common development issues with the platform. (Level 200)



## FAIRFIELD / WESTCHESTER CODE CAMP 4

### Speakers / Sessions - November 6, 2010

#### Zablocki, John

John Zablocki is the Development Lead at MagazineRadar, a New York City based information services company supporting the publishing industry. He is also an adjunct professor at Fairfield University in the Dolan School of Business. John holds an M.S. in Computer Science from Rensselaer, where he became an enthusiast of open source technologies. Online, John can be found at <http://CodeVoyeur.com> or <http://dllHell.net>. Offline, he can be found too infrequently with his dog, daughter, and his Martin acoustic.

#### **Building .NET Applications with NoRM and MongoDB**

The NoSQL movement has been gaining popularity in recent years. Building highly scalable applications without a relational database is now a viable option across several mainstream platforms. This presentation introduces the open source, document-oriented database MongoDB. MongoDB runs on Windows and several .NET drivers exist for MongoDB. The discussion will cover the basics of working with MongoDB, including CRUD operations and advanced queries. An overview of the various .NET drivers will be provided, with focus on NoRM. (Level 100)

#### **Extending .NET Applications with the Dynamic Language Runtime**

Creating flexible and extensible .NET applications using the Dynamic Language Runtime (DLR) is easy. Rather than having complex configuration data with equally complicated rules processing code, a .NET app may instead provide hooks for wiring up DLR scripts. Everything from validation rules to object initialization code may be stored in these scripts and outside of the core business logic. This presentation will introduce the DLR as well as techniques for hosting scripts in compiled applications. (Level 100)

#### Zurolo, Scott

Scott Zurolo is currently the senior SQL Server DBA/Developer at a marketing firm in Norwalk. He has extensive experience as a DBA, database developer and systems architect with over 12 years of SQL Server experience.

#### **Optimizing and Performance Tuning Procedural Code in SQL Server 2008**

Knowing how to optimize stored procedure and T-SQL performance is an essential skill for both developers and DBAs. Stored procedures are a common data access methodology that offers numerous flexibility, performance, and security benefits. This presentation outlines some advanced design and performance tuning techniques for SQL Server stored procedures and T-SQL code. Newer SQL Server 2008 programming constructs such as table valued parameters and the MERGE command are also covered. (Level 300)