

Jeff Handley

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SUMMARY

Software Developer with 13 years of experience creating web-based applications, while focusing on browser compatibility, consistent user interfaces and developer productivity. Presently a Software Developer II at Microsoft working on Silverlight and .NET RIA Services.

MCP: Developing and Implementing Web Applications with Microsoft® Visual Basic® .NET and Microsoft® Visual Studio® .NET. Acquired November 2002. MCP ID: 2819911.

LANGUAGES

Currently Using

- Silverlight (2 years)
- ASP.NET (8 years, since v1.0 Beta)
- VB.NET (8 years, since v1.0 Beta)
- C# (5 years)
- SQL Server 6.5-2008 (11 years)
- HTML & JavaScript (13 years)

Previous Experience

- VBScript (1998-2002)
- Java (1997-1998)
- Perl/TK (1997-1998)
- Perl/CGI (1996-1998)
- C/C++ (1995-1998)
- QuickBasic (1994-1997)

EXPERIENCE

Software Developer II, Microsoft Developer Division

May 2008-Present

Developer: .NET Application Frameworks (AppFx)

2008-2009

- Feature crew lead and developer for the System.ComponentModel.DataAnnotations assembly. This assembly ships in both Silverlight 3 and .NET 4.0 and allows developers to add metadata to classes to specify how objects should be used by client applications. Authored much of the validation framework within this assembly that allows for attribute-based validation rules to be declared and for objects and their properties to be validated. Coordinated cross-team collaboration for requirements, design, implementation, testing, documentation, and release of this library in both Silverlight 3 and .NET 4.0.
[http://msdn.microsoft.com/en-us/library/system.componentmodel.dataannotations\(VS.100\).aspx](http://msdn.microsoft.com/en-us/library/system.componentmodel.dataannotations(VS.100).aspx)
- Developer on the .NET RIA Services team. This is a version 1 product that builds on top of Silverlight and .NET. Developing the DomainDataSource control that allows for data to be easily loaded from the server into a Silverlight application with filters, grouping, sorting, and paging. Data can be edited and changes can be submitted back to the server in batches. Participating in planning and design meetings with other team members and architects. Performing code reviews for other feature crew's implementations. Leading member of the infrastructure crew responsible for designing, creating, and maintaining our engineering infrastructure such as the solution structure, TFS hierarchy, component dependencies, and build and packaging processes.
<http://silverlight.net/forums/53.aspx>
- Responsible for developing the process to package and ship the AppFx Silverlight 3 components at the time of the MIX 09 conference, as part of the Silverlight 3 Beta release. This effort involved learning the processes used at Microsoft to release software to the public, including geo-political compliance, coding standard compliance, and the official build, signing, and packaging process and format. On a short timeline, completed the process to ensure that our components could be announced and released at the MIX 09 conference in both binary and source code formats.
<http://silverlight.codeplex.com/Release/ProjectReleases.aspx?ReleaseId=20430>
- **Received Developer Division Compass Award for Individual Excellence.** This peer recognition award was presented to me after being nominated by a developer lead within AppFx for my efforts related to my Silverlight 3 Beta release responsibilities. Nearly 200 nominations were made within the Developer Division (over 2500 employees), and voting resulted in only 13 individual award winners, plus 5 team awards. My individual award earned recognition from a Corporate Vice President (Scott Guthrie) during an All-Hands meeting, as well as lunch with a Senior Vice President (S. Somasegar).
- Utilized & Contributed to: C#, Silverlight, .NET RIA Services, WPF, .NET 4.0, TFS, MSBuild

Software Architect, Business Integration Group**2003-2008****Program Architect: DASL, Data Analysis for Student Learning**

2003-2006, 2007-2008

- DASL is the most widely-used student information system in Ohio. The software is presently running over 600 school districts across the state, totaling over 800,000 students. DASL facilitates attendance entry, grade entry, report card processing, fee collection, Ohio state reporting, and countless other functions. During my time on the project, 75,000 developer-hours were devoted to this project. DASL is installed at 16 sites and is used by students, parents, teachers, counselors, principals, attendance officers, school nurses, administrators, and other school employees. In 2004, 3 districts converted to DASL; 30 districts in 2005; 300 more in 2006; nearly 200 districts in 2007; fewer than 100 districts remain to be converted during 2008.
- Architected system to use distributed processing and horizontal scaling, allowing it to serve thousands of concurrent users. Defined all coding standards and applied a "Custom Controls Everywhere" approach to ensure browser/operating system compatibility and UI consistency, while reducing developer effort required for this 1000+ screen application. Managed development efforts to continuously meet aggressive release deadlines.
- Acted as architect and technical manager over a 15-person development and QA team. For more details on my job responsibilities, please visit: <http://blog.jeffhandley.com/archive/2007/12/03/my-job-description.aspx>.
- Utilized: ASP.NET, VB.NET, C#, SQL 2000, AJAX.NET Professional, JavaScript, Active Reports, Web Services

Architect: Healthcare Waste Solutions CleanBill™

2006-2007

- This is an industry leading service that provides consolidated waste management invoices to healthcare providers for all waste streams serviced. The system imports electronic invoices using dynamic file layouts from many service providers across several waste streams. All charges are audited against configured contracts and calculation rules. Consolidated invoices are then generated for the customer billing hierarchies.
- Architected and led development of the WinForms application and backend services. Designed and implemented a calculation engine capable of processing 1000 invoice line items per minute while auditing all charges against defined contracts and billing hierarchies. Created an "Extended Model-View-Presenter" pattern that informs user of data entry validation rules and validates user input. This architecture has been reused on 2 subsequent projects without my involvement. For more information about my Extended MVP pattern, visit: <http://JeffHandley.com/ExtendedMVP>.
- Utilized: C# 2.0, WinForms, SQL 2005 (including SQL CLR), Model-View-Presenter, SQL Server Reporting Services, .NET Remoting, LLBLGen (O/RM)
- Product Information: <http://www.hwsusa.com/cleanbill.asp>

Senior Developer: Statsworld.com (acquired by MyFantasyLeague.com in 2008)

2003

- Statsworld is a Fantasy football application serving tens of thousands of users nationwide. NFL statistics are imported real-time and each league's custom scoring rules are applied to determine fantasy results. Each Sunday during football season, the real-time screens average over a million page-views in a day. This application has been running bug-free since the 2003-2004 football season, without any developers assigned to the project.
- Developed the majority of the web application screens. Created many custom web controls to ensure browser compatibility and light-weight responses. Created a statistical analysis grid capable of producing single-second responses for custom reports, while analyzing millions of database records. Produced the industry exclusive "Game Summary" feature that generates a sports page report of the fantasy matchups from the past week. Designed and implemented the real-time stats importer service.
- Utilized: ASP.NET 1.0, VB.NET, SQL 2000, JavaScript, Web Services
- Product Information: <http://www.statsworld.com>

Senior Application Developer/Partner, WeDoWebStuff.com**1999-2008****Architect/Lead Developer: Credit Infonet Online**

2000-2003

- Mortgage service fulfillment of credit reports, flood certifications, title products, online property valuations, funding services, recordation and closing services.
- Designed and developed .NET application that integrates with vendor services for order fulfillment. Led user interface team and defined UI standards. Created custom controls for common UI components and data entry to ensure UI consistency and cross-browser compatibility, while reducing developer effort across the team.
- Utilized: ASP.NET 1.0, VB.NET, SQL 2000, JavaScript, Web Services

Developer: Social networking club

2002

- Created a web application to run a local social club. The application allowed for the creation of social events, with online registration and payment. The application managed club member's points, gathered feedback from recent events and managed communications about schedule changes and event availability.
- Worked as sole developer on this project. Built upon existing .NET architecture created for other projects and developed many additional custom controls to centralize UI behavior and presentation.
- Utilized: ASP.NET 1.0, VB.NET, SQL 2000, JavaScript

Architect/Lead Developer: Culinary Sol

2000-2001

- Culinary Sol was an entertainment-based cooking school started by Procter & Gamble. The application managed all aspects of the school and boutique including: class scheduling, products and inventory, customers, membership subscriptions, point of sales/cash register, cash and credit card reconciliation, online ordering with class registration, menu/recipe management, and sales reports.
- Designed and architected a system to replace 2 legacy software packages. The new system combined online class registration with internal class scheduling and product/inventory management. Designed and developed the ASP.NET point of sale system, including bar-code scanning, coupon redemption and credit card processing. Developed the end-of-day reconciliation processes as well as the inventory management and sales reporting tools.
- Utilized: ASP, VB, SQL 2000, and JavaScript. Migrated to ASP.NET/VB.NET Beta 1, then Beta 2. System went into production against ASP.NET Beta.
- News: <http://shrinkster.com/umt>

Developer: Dozens of custom websites and applications

1999-2008

- Worked with many small business clients to develop data-driven websites and applications. For instance, two mortgage clients' websites included online mortgage applications and calculators. Other clients' sites include product and service management, credit card processing, and online surveys.
- Utilized: ASP.NET 1.0/1.1/2.0/3.5, VB.NET, C#, SQL 2000/2005, JavaScript, AJAX, ASP, VBScript, VB 6.0

Core Technology Group Developer, MultiLateral Solutions, Inc.**1998-2000****Architect/Lead Developer: ExpressClose.com**

1999-2000

- ExpressClose.com provides the mortgage industry with credit reports, flood certifications, title products, online property valuations, funding services, recordation and closing services through a unique, web-based application. In addition, the company offers its proprietary Lender Master Protection (LMP) program, which reduces the need for title information and protects lenders during the life of the loan for its full amount with a guaranty agreement.¹
- Designed and developed n-tier application that integrates with various vendor services for order fulfillment. Developed the majority of the user interface, including over a hundred user and administrator screens. Defined UI standards for cross-browser compatibility and created VBScript functions for common UI components.
- Utilized: ASP, VBScript, VB (COM/MTS), SQL, HTML, JavaScript, and XML/SOAP

¹ Source: <http://shrinkster.com/ums>

Lead Developer: REACTS, Real Estate Agent Client Tracking System

1998-1999

- Application allows real estate agents to maintain all of their client information quickly and easily using a web-based application.
- Developed user interface and defined standards for cross-browser compatibility. Created VBScript methods to encapsulate common user interface functions and HTML blocks.
- Utilized: SQL 6.5/7.0, ASP, VBScript, VB, and JavaScript.

Quality Assurance, Structural Dynamics Research Corp. (SDRC)**1995-1998****Interactive and Automated Testing of the CAD/CAM/CAE, I-DEAS™**

- Performed various testing duties ranging from manual graphics testing to automated simulations. Responsible for debugging C and C++ code to isolate software faults and escalate issues to software engineers. Responsible for all Y2K testing on I-DEAS™ and its installation and licensing tools.

Web Development for QA Purposes

- Initiated and drove effort to move testing tools and results to the intranet site. Created an "Investigator" application to log and track potential software faults.
- Utilized: C++, Perl/CGI, HTML, JavaScript, Java

Automated Testing

- Developed an "AQA Watch" application to execute and monitor automated tests, gather results and prepare testing reports
- Utilized: Perl, Perl/TK

Web Development – Corporate Website

- Created a "Resume Builder" and resume upload screen for the HR portion of the corporate website. The resume builder allowed candidates to select from available jobs and build a resume online, selecting skills and experiences applicable to the job posting selected.
- Utilized: HTML, JavaScript, Perl/CGI and C++; (targeted IE 3.0 and Netscape 3.0)