



Microsoft
CERTIFIED
Professional
Developer

Web Developer

Microsoft
CERTIFIED
Technology
Specialist

Net Framework 2.0
Distributed Applications
Web Applications

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<Lead Web Applications Developer />

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Introduction

A technology enthusiast, Daniel graduated from Mary Washington College with a B.S. in Computer Science. Daniel's passion for emerging technologies led him into the world of .NET shortly after its initial 1.0 release. He began his career by expanding local Virginia Department of Transportation's infrastructure with a complete laptop inventory system. Since then Daniel has served as a Webmaster where he introduced the college's first dynamic web class scheduler, a consultant for a variety of esteemed clients including the World Bank, Institute of Medicine, and several leading science foundations. Daniel currently works as the lead developer for a team of nearly 20 developers with **core responsibilities focused on quality metrics and automation, technical vision, solutions architecture, mentoring, project management, and web application development**. When he is not working with technology, Daniel strives to stay current by reading, attending local development user groups, and working on various passion projects to keep apprised of emerging technologies and tools.

Featured Technologies and Concepts

Advanced Knowledge		Strong Knowledge		Working Knowledge	
ASP.NET 4.0, 3.5, 2.0	8 years	jQuery, jQuery UI	4 years	Entity Framework	1 year
ASP.NET MVC 1, 2, 3	3 years	AJAX	4 years	Ruby, Rake	1 year
C#	8 years	LINQ	4 years	Silverlight	< 1 year
HTML/DHTML/XHTML	10+ years	XML	5 years	XSLT	2 year
CSS	10+ years	NHibernate, Fluent	2 years	DDD	1 year
JavaScript	8 years	BDD SpecFlow	2 years	Pair Programming	1 year
SQL/T-SQL	8 years	MSBuild	2.5 years	AAT Selenium, WatIN	1.5 years
TDD NUnit, XUnit	3 years	Agile/Scrum	2 years		
Design Patterns	5 years	CI TeamCity	3 years		

Featured Technical Experience

Team Lead | Lead Web Application Developer
National Rural Electric Cooperative Association 2010 – Present

- **Quality Engineering** | Manage and advance Continuous Integration and Feedback processes, including Coverage methodologies, Automated deployments using tools such as TeamCity, NCover, MSBuild, Rake
- **Solutions Architecture** | Responsible for architecture decisions and guidance across 3 .NET frameworks and over 200,000 lines of code
- **Standards Development and Enforcement** | Developed and enforced development processes including design and code reviews, testing coverage, methodologies and tooling, support procedures, and more
- **Project Management** | Work with Product and Project Managers to ensure timelines, budgets, and contract expectations are efficiently met
- **Automation Engineer** | Establish automation procedures around all deployments (test, stage, prod), including Continuous Integration practices including, but not limited to code coverage, unit testing, and browser testing
- **Mentoring** | Continually mentoring developers on both technical and soft skills to facilitate individual development of all team members through means such as one-on-one meetings, code katas, and technical brown bag sessions
- **Web Development** | Development tasks including feature creation and upgrades, framework improvements (e.g. error logging/reporting, performance analysis, etc.)

Tools and Applications

Visual Studio 2010/2008/2005
NuGet
ReSharper
NCover, dotCover, FxCop, StyleCop
SQL Server 2008 R2/2008/2005/2000
AutoFac (IoC), Ninject
RikMigrations, Fluent Migrations
Spark, Razor
Elmah
Mercurial, Git, Subversion
Adobe Photoshop, Illustrator
And more...

Methodologies & Practices

Agile (XP, SCRUM, Lean, Kanban)
TDD, BDD, AAT, DDD
Continuous Integration
Continuous Delivery

Project Technical Lead | Content Management System & Infrastructure Enhancements

Technologies: ASP.NET 3.5, ASP.NET MVC 1.0, C#, SQL 2005/2008, Web Services (WCF/ASMX), jQuery, XML Web Services, BizTalk, Umbraco CMS (open source), NHibernate, TeamCity, SVN, LINQ-to-SQL, AutoFac, Spark

An upgrade to two key components (SharePoint 2007 and Microsoft Content Management System 2002) of the Employee Benefits website that triggered a full-scale refactoring of the NRECA Employee Benefits application infrastructure, including multiple custom ASP.NET application frameworks, 3rd party systems, SEO strategy, and more.

- **SOA Architecture Refactoring** | Common points across frameworks and applications were abstracted into a services layer providing centralized, reusable components to promote a more Service-Oriented Architecture
- **Improved Domain Model** | Architectural improvements allowed the Employee Benefits website to consolidate from utilizing three domains to implementing a single domain, ultimately improving many areas including cross-domain scripting limitations and drastically improved error reporting
- **Open Source CMS Solution** | Recommended and implemented an open source content management systems, saving the organization roughly \$750,000 in costs anticipated with using SharePoint 2007 as planned

Principal | DCStreetHockey.com Admin and User Website

Technologies: ASP.NET 3.5, ASP.NET MVC 1.0, C#, SQL 2008, jQuery, jQuery UI, SubSonic 3.0.5, RikMigrations, Amazon EC2, BeanStalk SVN

DCStreetHockey runs several hockey leagues using the custom built administration website and front-end user facing site to manage site contents, league schedules, games, players, and much more. Website Url: <http://DCStreetHockey.com>

- **League Management Website** | Protected user-run administration site used to manage content, users, and league functions
- **User-Facing Website** | Website powered by administration site to provide league information to players, including schedules, results, rosters, registration, and more

Project Technical Lead | Cooperative Health Plan Dynamic Document System

National Rural Electric Cooperative Association 2006 – 2010

Technologies: ASP.NET 2.0, C#, SQL 2005, ASP.NET Ajax 1.0, XML Web Services, BizTalk 2007, SharePoint 2003, ActiveDocs, SVN

Complex interaction between a variety of technical products, managed by a custom XML Web Service, yields Summary Plan Description documents used by thousands of Electric Cooperatives to provide legal health plan documents to their employees.

- **Dynamic On-Demand Document Generation** | Custom health plan documents are created both automatically and on web site request with specific information regarding cooperative health plans
- **BizTalk & SharePoint Integration** | SharePoint is utilized as the document storage device, while multiple BizTalk applications with custom pipelines are implemented to interact with SharePoint and more
- **Custom Process Monitoring** | An XML Web Service built to monitor the process associated with request approval and document generation

World Bank Executive Council's Board Room Management Application

Diamax Information Systems Corporation 2004 - 2006

Technologies: ASP.NET 2.0, C#, SQL Server 2000, AJAX, JavaScript

A unique design, the boardroom management application interfaces with a custom microphone hardware system and provides real-time meeting updates to the World Bank staff across the world.

- **Ajax Board Voting Simulator** | Custom voting utility used by the President's Council during live meetings – designed with weighted voting, dynamic meeting rosters, real-time results reporting, and scenario generator.
- **Dynamic Application Loader** | Intelligent CPU resource utilization service

Technical Passions

Presenter at DC Alt.Net

October 2010

"Package Management in .NET"

<http://DannyDouglass.com/2010/10/dcaltnet-package-management-presentation>

**DC Alt.Net User Group
DCDNUG User Group
DC Code Camp
Richmond Code Camp**

Certifications

MCPD -- Web Developer

MCTS -- 2.0 Framework

MCTS -- Distributed Applications

Education

University of Mary Washington

B.S. in Computer Science

Operation Systems

Windows 7 (Beta/RC/RTM)

Windows Vista

Windows XP Professional

Windows Server 2003/2008/2008 R2

MAC OS 9/10.x

Employment History

National Rural Electric Cooperative Association

Jun. 2006 – Present

Lead Web Developer,

Sr. Web Application Developer

Arlington, VA

Diamax Information Systems Corp.

Nov. 2004 – Jun. 2006

Web Application Developer

Washington, D.C.

Germanna College

Nov. 2003 – Nov. 2004

Webmaster

Fredericksburg, VA

VA Dept. of Transportation

May 2002 – Nov. 2003

Information Technology Specialist

Fredericksburg, VA

2011 Technical Reading List

The Lean Startup

Integrity: The Courage To Meet The Demand Of Reality

Continuous Delivery: Reliable Software Releases through Build, Test, and Deployment Automation

Continuous Integration in .NET

PeopleWare: Productive Products and Teams

Inspired: How To Create Products People Love

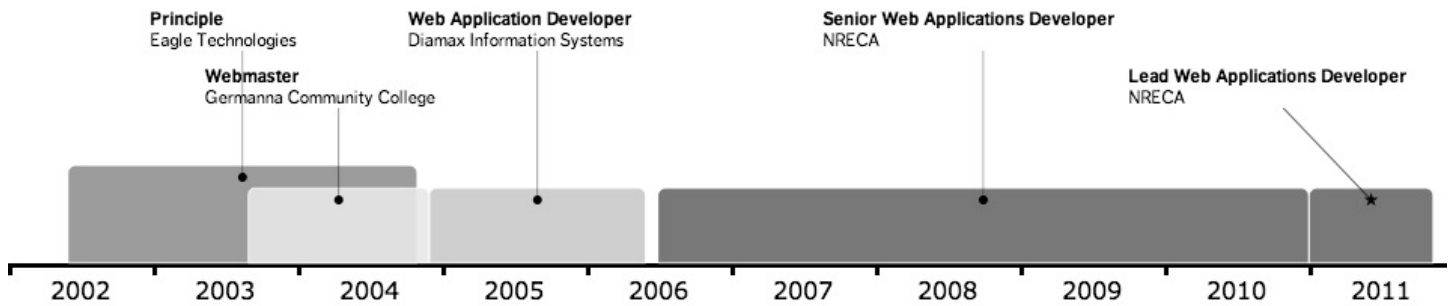
Debugging the Development Process

Domain Driven Design

Conferences, Training, and Workshops

Continuous Delivery Workshop	ThoughtWorks 2011
Agile East Conference	ThoughtWorks 2011
AgileDC Conference	2011
Agile Developer Bootcamp	Headspring 2011
MVC 3 / TDD Bootcamp	Headspring 2010
DC Code Camp	2010
Richmond Code Camp	2010
Microsoft PDC	2009

Employment Timeline



References

References are available upon request