

J. Patrick Fulton

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Programming

C# 5.0
Java
Visual Basic .NET
ASP.NET MVC 5
ASP.NET WebForms
J2EE
jQuery / jQuery UI / Bootstrap
ReSharper

Programming Tools

Visual Studio .NET 2005 - 2015
Ant / NAnt
MS Build
NetBeans

Platforms

Windows Server 2000 - 2012 R2
Windows 2000 - 10 / Mac OS X
RedHat / SuSe / Ubuntu Linux

Business

Project Management
Team Management
Financial and Managerial Accounting

Development Libraries

nHibernate / Entity Framework
nUnit / Rhino Mocks / Moq
Razor
Spring .NET / Ninject / StructureMap / Unity

Server Applications

Microsoft SQL Server 2000 - 2014
Microsoft IIS
Cruise Control .NET
Apache 2.x
Subversion
PostgreSQL 8.x
Tomcat 4 / 5
RavenDB

ERP Systems

Epicor for Service Enterprises 8.x
Epicor Enterprise 7.4
Microsoft Dynamics NAV

Work Experience

2014 - 2016

Managing Architect

ZirMed, Inc.

- Developed and implemented a structured software engineering internship program
- Selected and trained 12 junior level software engineers, achieving a 92% hire rate out of the program within two years of program inception
- Responsible for initiatives related to engineering department education, professional development and design maintainability
- Led research and development projects focused on technology selection and the creation of patterns / techniques to be consumed by line of business application engineering teams
- Implemented an Agile software development methodology on a team in advance wider organizational and departmental adoption
- Designed and deployed multiple production quality internal applications as reference implementations exemplifying current architectural guidelines

2013 - 2014

Software Architect

ZirMed, Inc.

- Led and coordinated system design initiatives across multiple line of business application teams
- Developed and ensured conformance with technological and design guidelines
- Delivered educational presentations and artifacts on technologies, patterns and practices developed by the architecture group
- Engineered core libraries and system components for consumption by engineering teams
- Participated in architectural and code review sessions to guarantee maintainability, scalability and consistency of solution design

2012 - 2013

Technical Lead

ZirMed, Inc.

- Developed design specifications and oversaw product implementation by an engineering team through code review and pair coding sessions
- Ensured adherence to established architectural design patterns
- Provided mentoring, coaching and training sessions to engineering resources
- Interfaced with quality assurance specialists to guarantee product quality and prompt defect resolution
- Collaborated with business representatives to ensure fulfillment of requirements and implementation details that facilitated rapid response to evolving requirements

2009 - 2012

ERP Implementation and Development Consultant / Project Manager

Future Visions, Inc.

- Designed, specified and implemented customizations to business processes and data models implemented in existing ERP systems
- Managed project oriented teams of software developers to provide complex system extensions on time, on budget and meet demanding customer expectations
- Implemented Agile team and software management methodologies in an industry where traditional waterfall planning / reporting remains a de facto standard
- Administered and troubleshooted existing ERP system installations
- Performed end user and IT administrator training seminars

- Consulted on organizational implementation strategies and guided implementations through established, repeatable methodologies

2006 - 2009

Teaching Assistant / Software Developer

University of Louisville, College of Business, Center for Non-Profit Information Technology

- Developed and delivered lectures on software design patterns, development technologies and system design for a senior-level undergraduate course in software development
- Coordinated and evaluated the activities of groups of entry-level developers organized into teams as large as twelve

2005 - 2006

CIS Scholarship Intern

University of Louisville, College of Business, Dean's Office

- Developed and maintained ASP.NET applications
- Provided technical support services to University faculty and staff

2002 - 2005

Consultant

The Epicurus Group, Inc.

- Performed systems analysis, project specification and project management for a variety of local and regional firms
- Acted as lead developer and manager for a small software development team
- Prepared and delivered sales presentations to prospective clients

2000 - 2002

Independent Consultant

Personal Consulting / Contracting

- Contracted programming and systems administration in Linux, Java, ASP, MS IIS and MS SQL Server

Education and Certification

2009

Bachelor of Science in Business Administration, Computer Information Systems

University of Louisville, Louisville, Kentucky

2014

Microsoft Certified Professional

Exam 70-483: Programming in C#

Publications

2009

A Web Development Framework for Team-Based Project Courses

Journal of the International Association for Computer Information Systems

J. Patrick Fulton, Ted Strickland, Jr., Ph.D.

The complexities of team-based web development make it challenging for student teams to deliver solutions that may be sustained over multiple semesters. A web development framework based on open source tools and Agile practices may be combined to create a standardized development environment. Use of the framework may provide students with rich system development experiences and deep knowledge of software design principles and patterns. Interactive features may be developed each semester for inclusion in an evolving web application used by nonprofit organizations.