

# J. Patrick Fulton

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## **Programming**

C# 6.0  
Java  
Visual Basic .NET  
ASP.NET MVC 5  
ASP.NET WebForms  
J2EE  
jQuery / jQuery UI / Bootstrap  
ReSharper

## **Programming Tools**

Visual Studio .NET 2005 - 2017  
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 - 2016  
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

2016 - 2017

### **Engineering Development Manager**

*ZirMed, Inc.*

- Oversaw the design and continued implementation of a Healthcare Contract Management platform and green field development on a Payment Variance application supported by that platform
- Managed a line of business engineering team composed of ten software and quality assurance engineers spanning multiple geographic locations
- Performed staffing and recruitment functions to maintain head count, ensure team cohesion and sustain team culture
- Worked in close collaboration with Enterprise Architecture and DevOps groups to ensure compliance in system design and coordination with deployment technologies
- Coordinated and troubleshoot end-of-sprint system deployments into a private production cloud utilizing a proprietary delivery platform
- Led engineering design sessions and formal code reviews to ensure code quality, code base maintainability and system scalability

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	<b>Technical Lead</b> <i>ZirMed, Inc.</i> <ul style="list-style-type: none"> <li>Developed design specifications and oversaw product implementation by an engineering team through code review and pair coding sessions</li> <li>Ensured adherence to established architectural design patterns</li> <li>Provided mentoring, coaching and training sessions to engineering resources</li> <li>Interfaced with quality assurance specialists to guarantee product quality and prompt defect resolution</li> <li>Collaborated with business representatives to ensure fulfillment of requirements and implementation details that facilitated rapid response to evolving requirements</li> </ul>
2009 - 2012	<b>ERP Implementation and Development Consultant / Project Manager</b> <i>Future Visions, Inc.</i> <ul style="list-style-type: none"> <li>Designed, specified and implemented customizations to business processes and data models implemented in existing ERP systems</li> <li>Managed project oriented teams of software developers to provide complex system extensions on time, on budget and meet demanding customer expectations</li> <li>Implemented Agile team and software management methodologies in an industry where traditional waterfall planning / reporting remains a de facto standard</li> <li>Administered and troubleshoot existing ERP system installations</li> <li>Performed end user and IT administrator training seminars</li> <li>Consulted on organizational implementation strategies and guided implementations through established, repeatable methodologies</li> </ul>
2006 - 2009	<b>Teaching Assistant / Software Developer</b> <i>University of Louisville, College of Business, Center for Non-Profit Information Technology</i> <ul style="list-style-type: none"> <li>Developed and delivered lectures on software design patterns, development technologies and system design for a senior-level undergraduate course in software development</li> <li>Coordinated and evaluated the activities of groups of entry-level developers organized into teams as large as twelve</li> </ul>
2005 - 2006	<b>CIS Scholarship Intern</b> <i>University of Louisville, College of Business, Dean's Office</i> <ul style="list-style-type: none"> <li>Developed and maintained ASP.NET applications</li> <li>Provided technical support services to University faculty and staff</li> </ul>
2002 - 2005	<b>Consultant</b> <i>The Epicurus Group, Inc.</i> <ul style="list-style-type: none"> <li>Performed systems analysis, project specification and project management for a variety of local and regional firms</li> <li>Acted as lead developer and manager for a small software development team</li> <li>Prepared and delivered sales presentations to prospective clients</li> </ul>
2000 - 2002	<b>Independent Consultant</b> <i>Personal Consulting / Contracting</i> <ul style="list-style-type: none"> <li>Contracted programming and systems administration in Linux, Java, ASP, MS IIS and MS SQL Server</li> </ul>

## Education and Certification

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2009	<b>Bachelor of Science in Business Administration, Computer Information Systems</b> <i>University of Louisville, Louisville, Kentucky</i>
2014	<b>Microsoft Certified Professional</b> <i>Exam 70-483: Programming in C#</i>

## Publications

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2009	<b>A Web Development Framework for Team-Based Project Courses</b> <i>Journal of the International Association for Computer Information Systems</i> <i>J. Patrick Fulton, Ted Strickland, Jr., Ph.D.</i> <p>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.</p>
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