

Joe Enos

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Summary

Software Engineer/Architect with expertise in Microsoft .NET technologies and general software architecture.

I've been leading the development efforts of multiple projects at the Department of Health Services, and when given the opportunity in the past, I have always taken ownership of the teams I've worked with. Outside of the job, I have worked to help the software community by contributing to sites like StackOverflow and InfoQ, speaking at code camps across the country, and acting as technical reviewer for a software book.

Skills

- Programming Languages: C#, VB.NET, Javascript
- Database: SQL Server 2000-2012 (including SSIS and SSRS), Oracle, MS Access
- .NET: Frameworks 1.1-4.5.1, WCF, Entity Framework, WebAPI, PostSharp, Ninject
- Web Development: HTML/CSS/JS, ASP.NET (WebForms and MVC), jQuery, AJAX
- Operating System Maintenance: Windows XP/7/8/2003/2008/2012, IIS5.1/6/7/7.5/8
- Misc. Dev: NUnit, MSTest, NAnt, CruiseControl.NET, TeamCity, SVN, TFS, Mercurial

Experience

Feb 2013 | Present - Contract Software Engineer

Experis (AZ Department of Health Services) | Phoenix, AZ

- Build and maintain outbreak module of state disease tracking system, using .NET 4.5, ASP.NET WebForms, and SQL Server 2008R2
- Enhancements, both major and minor, on disease tracking system with ASP.NET MVC 3, jQuery Templates, and Entity Framework 4
- Continuous technological analysis of web application and database, and implementation of changes to bring improvements to both performance and stability
- Provide training, support, and advice to new developers
- Build and maintain SSIS packages and SQL jobs for data extracts and database maintenance
- Organize and maintain monthly code deployments and server maintenance for 8 user environments
- Major enhancements to Meaningful Use registration portal, using ASP.NET MVC3, Oracle with Entity Framework, and Knockout.js
- Analysis and resolution of standard web security audit findings

Feb 2012 | Feb 2013 - Lead Software Engineer

Education2020 | Scottsdale, AZ

- Maintained and extended high-performance learning management system (ASP.NET, VB.NET).
- Built multi-function javascript toolbar, allowing dynamic generation of buttons and styles, for interaction with both internal and 3rd party content
- Led team of developers in first phase of technical planning and enterprise architecture for new version of learning management system (ASP.NET MVC, C#, SQL2012)

Nov 2010 | Feb 2012 - Software Engineer III

Desert Schools Federal Credit Union | Phoenix, AZ

- Built and managed new 4-tier software architecture (client-service-business-data) using .NET 4.0 framework, Entity Framework, and ASP.NET web services.
- Introduced Unity for dependency injection, NAnt and CruiseControl.NET for automated builds, PostSharp for aspect-oriented techniques, and NUnit for unit testing.
- Maintained ASP.NET MVC (Razor) IT dashboard intranet application.
- Built retail incentive system for recording, calculating, and reporting sales commissions, based on multiple roles, eligibility rules, payout rules, and many data sources.
- Developed custom marketing campaign system for online banking users.
- Maintained ASP.NET online banking and company intranet applications.

Sep 2007 | Nov 2010 - Software Development Supervisor/Architect

American Traffic Solutions | Scottsdale, AZ

- Led team of software developers, building Windows services, ASP.NET web applications, desktop applications, and WCF Services using C# 3.5 with Oracle 10g database.
- Implemented new company-wide infrastructure, using .NET 4.0, ASP.NET MVC, WCF, Entity Framework, PostSharp, MSBuild, MSTest, Microsoft EntLib, Unity, over using Oracle 11g database.
- Responsible for all aspects of building and supporting PlatePass product used by top rental car companies and toll authorities across the United States.
- Responsible for implementation of new fleet management product, used by 6 of the top 10 fleet management companies in the United States, for toll and violation management.
- Utilized agile methodologies (scrum) to provide regularly scheduled releases, typically including new file and service interfaces with vendors, website enhancements, service interfaces with internal departments, and utilities to improve development processes.
- Participated in technical interviews and annual reviews of junior developers and support staff.

Mar 2006 | Sep 2007 - Application Developer

Bear Stearns | Scottsdale, AZ

- Designed suite of C# 2.0 applications for XML-based vendor product, to retrieve, modify, and update loan product and pricing guidelines.
- Built ASP.NET 2.0 application used for tracking early payments, including design and administration of SQL Server database.

- Implemented release management and version control for vendor ASP.NET 1.1 application, including IIS 6.0 configuration.
- Maintained report repositories in Crystal and SQL Server Reporting Services, along with analytic data with SQL Server Analysis Services, and key performance indicators.

May 2001 | Mar 2006 – Application Developer

United Financial Mortgage Corporation | Phoenix, AZ

- Designed and developed Windows forms, product and pricing guidelines, and third party interfaces using Fidelity Empower scripting language (similar to Delphi).
- Built ASP.NET 1.1 (C#) applications for existing loan tracking, and for hypothetical scenario pricing, using new techniques based on vendor functionality.
- Built new fee user interface, providing users with the ability to quickly, consistently, and accurately define loan fees.
- Built Subprime pricing engine, including rate sheet Excel import, pricing rules, and user interface.

Education

- Dec 2003 | Bachelor of Science: Accountancy

Certifications

- Dec 2008 | MS Cert of Achievement: 6461: Visual Studio 2008: WCF
- Apr 2007 | Microsoft Certified Application Developer
- Aug 2006 | Sun Certified Programmer for the Java 2 Platform 1.4

Author: InfoQ Articles (automated builds)

- <http://www.infoq.com/author/Joe-Enos>

Technical Book Review

- WCF Multi-Layer Services Development with Entity Framework (Mike Liu)

Speaking Engagements

- Presenter at code camps throughout the country, speaking about build scripts, continuous integration, and automated deployment. Spoke in San Diego, Houston, SW Florida, Silicon Valley, Los Angeles, and Phoenix in 2012.