

Perry Hertler

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SUMMARY

I am a **Technical** Software Architect and **Agile** Development Coach with over **13 years** experience in delivering highly performant **well-crafted** software in a wide variety of software systems including embedded, real-time, distributed, desktop, and web applications using agile best practices.

TECHNICAL SKILLS

Languages: Ruby, Java, C#, Python, XML, DSLs, C++, SQL, JavaScript, ActionScript, HTML

Frameworks: Ruby on Rails, Spring, Hibernate, TCP/IP, Antlr, Django, Tapestry, JSF, JUnit, Log4Net, Prototype, LINQ

Agile: eXtreme Programming (XP), Scrum, Continuous Integration, Pair-Programming

Testing: Test Driven Development (TDD), Cucumber, Pickle, RSpec, Machinist, Mocking, Stubs, Fit/Fitnesse

Tools: git, Integrity, Subversion, Maven, Ant, Cruise Control

Platforms: Nginx/Passenger, Apache/Tomcat, IIS/.Net

Databases: MySQL, Postgres, Oracle, SQL Server

Operating Systems: OS X, Linux (CentOS, Ubuntu, Red Hat), Microsoft Windows

SPECIALTIES

Performance: Rapid application development, load testing, profiling, instrumentation, code optimization, database optimization, client and server caching, load balancing, horizontal scaling

Applications: Highly concurrent and distributed, API design and implementation, DRY, DTSTTCPW, N-Tier architectures

Security: SSL, firewall, authentication, access control, safe sessions/SQL/uploads/forms

BUSINESS SKILLS

Projects: Over twenty projects delivered on time, on budget, and feature complete

Communications: White paper author, conference speaker, blog contributor, productive telecommuter

Mentor: Agile development, object-oriented design, software craftsmanship best practices

Analysis: Works very well with product owner to understand the business domain and analyze requirements

OPEN SOURCE

Author of **Ruby on Rails** open source projects at <http://github.com/perry3819>

EDUCATION

B.S. in Computer Science and Mathematics from the University of Wisconsin at Madison

EXPERIENCE

2009 - Present: Ruby on Rails Software Architect Pathfinder Development, Chicago, IL

Served on an Scrum managed team of 7 while adhering to all XP development practices on a Ruby on Rails project. In addition to regular story work, responsible for application performance and providing a dynamic rule based engine for complex queries.

Project Synopsis: More info will be provided when the application is publicly launched

Technologies: Ruby on Rails, MySQL, Ubuntu, Cucumber, Shoulda, Authlogic, Haml, Blueprint, Machinist, ACL9, Formtastic, Compass

2007 -2009: Technical Software Architect**Redpoint Technologies, Milwaukee, WI**

Served as Redpoint's only Technical Software Architect who was responsible for conference presentations, authoring white papers, leading the Redpoint open-source initiative, mentoring developers, delivering technical presentations, representing Redpoint on sales calls, authoring statements of work, and performing technical phone screens and code reviews.

feedpoint <http://feedpoint.hertler.org>, <http://github.com/perry3819/feedpoint>

Project Synopsis: Sole developer and system administrator on a blog aggregator web application, which allows blog feeds to be added with the author's photo to provide a summarized view reverse sorted by date; restful interfaces accommodate multiple client types and a combined feed is also supplied http://feedpoint.hertler.org/home/planet_redpoint

Technologies: Ruby on Rails, MySQL, Ubuntu, Cucumber, RSpec, Authlogic

pwfoo <http://github.com/perry3819/pwfoo>

Project Synopsis: Sole developer for a gemcutter.org hosted gem that presents a random password generator, password strength calculator, and very random number generator

Technologies: Ruby, Cucumber, RSpec

BriteTab.com

Project Synopsis: Technical Software Architect on an agile team of 5 that delivered a web application combining rich UI elements, images, and videos to provide a resume building and sharing service

Technologies: Ruby, Watir, Java, Grails, Groovy, Spring, Hibernate, Tomcat, Apache, MySQL, PHP, Linux

Key Achievements: Performed load testing, optimized application (Apache, Tomcat, MySQL, FMS), recommended and implemented deployment architecture, integrated payment system, hardened the security

Time and Expense

Project Synopsis: Technical Software Architect on an agile team of 12 that delivered a single web-based time and expense system serving 50 countries; this application eliminated nearly 50 similar time and expense applications

Technologies: .NET 3.5, C#, Visual Studio 2008, Windows Server 2003, Antlr, NHibernate, Spring.Net, RhinoMocks, NUnit, NAnt, CruiseControl.Net, SQL Server 2005, FX Cop, NCover, Fit, Fitness, WatiN, Scrum, XP, Velocity

Key Achievements: Designed and developed a highly configurable, scalable, multi-tiered ASP.Net application; performed load testing and application optimization, created DSL with Antlr to configure expenses based on location

2005 - 2007: Enterprise Architect**Sandia National Laboratories, Albuquerque, NM**

- Served as a hands on Enterprise Architect who was responsible for leading small software development teams while contributing requirements analysis, design, development and tests using an iterative and incremental process
- Lead Architect and sole developer that delivered a system used to identify and locate sources of radiation from a mobile platform; it acquires and analyzes data asynchronously from gamma, GPS, temperature, and compass sensors to find threats in real-time and plot them in Google Earth and on a custom embedded map
- Designed and developed numerous reusable libraries and frameworks in Java and C#
- Gave technical presentations
- Development lead on a web application that aids principal investigators in planning projects
- Designed and developed a Java application that matched millions of records from various databases with a modified Levenshtein algorithm
- Designed and developed a Google Web Toolkit (GWT) application, which manages inventory for a production plant; besides using many AJAX controls, this application synchronized all connected clients

2001 - 2005: Lead Software Engineer**Honeywell FM&T, Albuquerque, NM**

- Led and delivered 12 software projects
- Served on Honeywell's technical review board
- Member of Software Engineering Process Group, which moved Honeywell from CMM Level 2 to CMMI Level 3
- Moderated a Gang of Four design patterns study group
- Developed web, desktop, and mobile applications using MVC

2000 - 2001: Technical Lead**American Family Insurance, Madison, WI**

- Developed a subrogation tracking system using Java, EJB, JSP, Servlets, DB2, and Websphere
- Lead 11 other developers on a web application that provides insurance employees an interface to manage their subrogation claims
- Coached project manager in the use of the Rational Unified Process

1998 - 2000: Software Engineer**INRI, San Diego, CA**

- Rewrote C/Motif distributed applications in Java using Swing, TCP/IP Sockets, RMI, and JNI; these applications are used in secure communications between United States Navy ships