

JEREMY J. WEISKOTTEN

Senior Ruby on Rails Developer, Architect, Technical Leader

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A Boston-area software craftsman with a strong product sense, focused on solving hard problems at disruptive startups. Experienced in all aspects of software development, including requirements analysis, planning & prioritization, scalable system architecture, domain modeling, relational database design, user interaction design, performance tuning, and unit and integration testing. An advocate of Test-Driven Development, continuous integration & deployment, collective code ownership, refactoring, and other effective Agile and Lean practices.

Updated 4/16/2011. The latest version can be found at <http://www.weiskotten.com/resume.pdf>.

TECHNICAL OVERVIEW

Ruby on Rails

- REST/Resource-Oriented Architecture
- Haml, Sass, Compass
- RSpec, Cucumber, Test::Unit, factories
- Performance profiling & tuning

Web Development

- Semantic HTML, HTML5
- CSS, CSS3
- JavaScript: Ajax, jQuery, Prototype
- Front-end performance tuning

Miscellaneous

- Git, Subversion
- Domain-Driven Design
- OOAD, Design Patterns
- PostgreSQL, SQL Server, Oracle
- Java, C, C++

EXPERIENCE

Blueleaf, Cambridge, MA, June 2010 – Present

Principal Software Engineer, Ruby on Rails

Early hire at an angel-funded Lean startup in the personal finance/investing space. Blueleaf aggregates data from investment accounts and offers deep insight into asset allocation, account performance, exposure to stock sectors and companies, and more. Technologies include Ruby on Rails, PostgreSQL, jQuery, RSpec, Cucumber.

- Lead front-end development effort.
- Implement complex visualizations and interactions.
- Design algorithms to project results of long-term investments plans (retirement, college savings, lump sum goals) and to compute past performance of accounts.

PatientsLikeMe, Cambridge, MA, March 2007 – June 2010

Senior Software Engineer, Ruby on Rails

Early hire at a small startup in the Health 2.0 space. PatientsLikeMe builds research and social networking tools for patients with life-changing conditions. Technologies include Ruby, Rails 2.x, PostgreSQL, Test::Unit, Cucumber, Ajax, Prototype/Scriptaculous, and jQuery.

- Collaborate with health science research staff to design self-report instruments so that patients can share data about their condition, symptoms, treatments, side effects, and various outcome measures.
- Improve performance of key features using a variety of strategies including query and index tuning, caching.
- Designed and built a flexible survey builder so that the research staff can easily design custom surveys, invite a set of patients, and analyze the responses.

Workscape, Marlborough, MA, Sep 2006 – March 2007

Senior Software Engineer, Java

Senior member of agile development team of Workscape's Outsourced Benefits Administration product. Technologies included Java 1.5, Oracle, JUnit, Hibernate, XML, JBoss, and other open source libraries.

- Designed, implemented, and extensively documented a solution for complex, bi-temporal

On the side...

<https://github.com/jeremyw>

Tripwire

Co-founder

<http://www.tripwireapp.com>

Tripwire captures validation errors from Rails applications and provides tools to identify UX issues.

Twackit

<http://www.twackit.com>

A fun personal side project, Twackit uses Twitter as a data input tool to track metrics over time. Designed, built, and launched the application in April 2009 using Rails, Haml, Prototype, Google Visualization API, Twitter API, and Heroku.

Health Data Rights

<http://www.healthdatarights.org>

A grassroots movement sponsored by significant players in the health space, built over a weekend with a coworker using Ruby on Rails, the Twitter Search API, Comatose CMS, jQuery, Haml, and Sass/Compass.

The Quest for Life

<http://www.quest-for-life.org>

The Quest for Life, a Drake Equation calculator/educational tool, was designed and launched in 48 hours for the Rails Rumble 2009 competition. Built with Rails, jQuery, Haml, and Sass/Compass.

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effective-dating requirements. Leveraged Java features to achieve near-transparency in the model. Other design considerations included performance, reuse, simplicity, and testability.

- Recognized and rewarded for outstanding performance and teamwork.

Kronos, Chelmsford, MA, Jan 2002 – Sep 2006

Senior Software Engineer, Java

Lead and contributing engineer of various development teams. Built enterprise-class workforce management applications on the Workforce Central J2EE platform. Technologies included Java, Struts, JSP, XML, HTML, CSS, JavaScript, JUnit, and SQL.

- Led development of Workforce Leave, an employee leave management system, and contributed to other applications and projects.
- Implemented key product features with an extensible and reusable design, including a template-based document generation framework, a powerful Active Record-inspired persistence layer, and a rules-based business engine.
- Designed domain model and developed persistent business objects and XML import/export interfaces.
- Evangelized good coding and testing practices. Encouraged learning and technical discussion by presenting to up to 50 engineers on topics such as Hibernate, dependency injection/Spring, and Fit/FitNesse. Promoted good Java and OO coding practices through presentations to about 300 engineers on Law of Demeter and encapsulation.
- Contributed training material to internal hands-on TDD workshop, including a screencast. Over 300 engineers were trained in 15 sessions over a 6 week period. Led one workshop and assisted during hands-on exercises in several others.
- Configured and maintained continuous integration environments using Ant and CruiseControl.

Simplex Time Recorder Co., Westminister, MA, May 1996 – Jan 2002

Software Engineer, C++

(acquired by Kronos)

Developed Windows client/server and web-based workforce management applications.

- Member of team that developed eForce, an n-tier workforce management solution built on the Microsoft COM+ stack.
- Developed primary user interface, Transaction Workbench, which integrates timekeeping and scheduling functions. Created reusable ActiveX components for fat client Windows applications.
- Wrote customer-facing functional and design specifications. Implemented custom reports and product enhancements.
- Analyzed performance using profilers like NuMega TrueTime and SQL Profiler as well as custom code instrumentation to identify and remove bottlenecks. Routinely used NuMega BoundsChecker to identify and repair memory leaks, buffer overruns, and other coding errors, and refactored fragile code to be more defensive.
- Maintained and enhanced legacy WinSTAR Time & Attendance Manager suite of applications.

“Jeremy exemplifies the type of innovation and initiative that we all should aspire to in Product Engineering. Jeremy seeks out relevant, authoritative and leading edge input from the industry to help the team effort, and maintains a high level of excellence in his own work.”

- Director of Software Architecture, Workspace

TECHNICAL PUBLICATION

Dr. Dobb's Journal, December 2008; [“Performance on Rails”](#).

Dr. Dobb's Journal, October 2008; [“OpenID Single Sign-On”](#).

Dr. Dobb's Journal, May 2006; [“Dependency Injection & Testable Objects”](#).