Reg Braithwaite

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On The Web
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On Video
http://tinyurl.com/infoqinterview
http://tinyurl.com/rubyfringe

Open Source
http://github.com/raganwald

Essays
"The Not So Big Software Design:"
http://tinyurl.com/notsobig

"Refactoring Methods with Recursive
Combinators:"
http://tinyurl.com/recursivecombinators

"Why Why Functional Programming
Matters Matters:"
http://tinyurl.com/yyfpmm

"Not All Functions Should Be Object
Methods:"
http://tinyurl.com/verbsnotnouns

"Bricks:" http://tinyurl.com/swbricks

"Which theory fits the evidence?"
http://tinyurl.com/whichtheory

"Still failing, still learning:"
http://tinyurl.com/stillfailing

"What I've Learned From Sales:"
http://tinyurl.com/learnedfromsales

Overview *&* Value Proposition

Extremely deep Ruby and Programming expertise: Able to craft well-factored, maintainable code while mentoring colleagues and working with product management. More than twenty years of experience developing successful software, managing technical products, developing and leading teams, and managing relationships with users and clients. The perfect addition to a growing company: maturity and experience with growing technical companies mixed with extreme enthusiasm for creating something new.

Remote Experience

Created and maintained substantial applications remotely for successful companies such as ING Direct, Mobile Commons, MDLogix, and others since 2005.

Hands-on Success Stories

- Single-handedly authored the popular *andand*, *rewrite*, and *rewrite_rails* gems; implemented Scheme in Java; created a Smalltalk-like web template language; and wrote substantial code for a number of web applications using Ruby on Rails.

- Awarded both the Jolt Product Excellence and Software Development Productivity awards for work on server-side development tools.

- Completed twelve Tier II-scale IT projects with seven-figure user bases as well as core competency applications powering the enterprise, web applications for mobile devices, integrated B2C with Google Maps, AJAX applications.

- Has written Lisp in every language, including modifying the JVM in C++, written custom class loaders, XSLT Java code generators, and metaprogramming with dynamic proxies.

- Created the popular and oft-quoted "raganwald" blog on agile development practices, advanced programming topics, and Ruby idioms.

- Collaborated with management to introduce SCRUM/Agile methodology at ING DIRECT (USA), including training and process implementation; introduced agile practices at KL Group (now part of Quest Software), resulting in on-time software delivery.

- Lead teams with as many as twenty-two contributors, as many as eight in the past year.

Recent Experience

Subcontractor, Unspace: 2008 – present

Designed and implemented scheduling algorithms for a major client project.

Ruby on Rails, MySQL, RSpec, OS X, Javascript, JQuery, JQuery UI.

Architect & Senior Developer, Mdlogix (USA): 2008

Led a rewrite of the authorization architecture for the company's flagship product, CRMS. Introduced and championed best practices for architecture, development, and process.

Ruby on Rails, SQL Server, RSpec, OS X, Javascript, Prototype, Scriptaculous.

Contractor, Mobile Commons, CRM Integration (USA): 2007 – 2008

Integrated the company's flagship product, mCommons, with products from strategic partners. Created the architecture, infrastructure, and integration plug-ins for two partners.

Ruby on Rails, MySQL, RSpec, Mongrel, Capistrano, OS X, Javascript, Prototype, Scriptaculous.

Team Lead, ING DIRECT (USA) [Self-Service](): 2005 – 2007

Developed an enterprise-scale [ATM locator map-driven application](), including an AJAX-driven interface and back-end integration. Led design, analysis, and team development of *Orange Mobile*, enterprise-scale self-service for hand-held and mobile telephony devices.

Introduced best practices at the individual (coding), group (design and architecture), and organizational (development practices) levels, over six different major releases of the company's mission-critical web self-service application. Delivered "Selling Agile" training to the self-service development team and management.

Ignited dramatic improvement in development output and growing the self-service team from five to fourteen contributors.

Scrum, Windows XP, WebSphere, WebSphere MQ, XML, XSLT, PL/SQL, JavaScript, AJAX, Google Maps, Prototype, Scriptaculous, Java, J2EE, Java5, Tomcat 5, Eclipse 2.x–3.x, SQL, JDBC, Oracle, Subversion.

Director of Software Development, Opalis Software: 2004 – 2005

Hands-on product design and development. Directly managed the performance of twelve individual reports and team leads in Toronto, New York, and Halifax.

Co-facilitated adoption of agile and iterative development practices. Identified a troubled project, produced quantitative evidence of its trouble, and exhibited the courage to recommend its cancellation.

Microsoft Operations Manager 2005, Microsoft Systems Management Server, IBM Autonomic Computing, Visual C++, Visual SourceSafe, Mantis, FogBugz, Windows 2000, Windows XP, Solaris, Linux, Installshield, Rational Purify, CppUnit, SQL, XML, Java, JDK 1.4, Extreme Programming (XP).

Senior Developer, Information Balance: 2002 – 2003

Led the technical design of, and instituted iterative development for a web application automating apprenticeship service for the Ministry of Trades, Colleges, and Universities.

Java, J2EE, Struts, Ant, JUnit, HtmlUnit, WebSphere Application Developer, WebSphere Application Server, SQL, PL/SQL, Oracle, JDBC, XML, XSLT, Visual Basic for Applications, Excel, JavaScript, Java Server Pages (JSP), Windows XP.

It's been my great pleasure and honor to work with you these past few months, and I only regret we weren't able to spend more time working together directly… It's been educational, illuminating, and fun having you around, and the team is poorer for your departure.

—**Avdi Grimm**

Reg and I worked together for a year and a half. During that time, he spearheaded the effort to produce JProbe Threadalyzer, and then shepherded the entire JProbe suite through two subsequent upgrade releases. By that time, Threadalyzer had all but eliminated its competition in the Java thread analysis space, and JProbe had become KL's major source of revenue.

When we built Threadalyzer, Reg developed the technical design, partitioned it into manageable pieces for a group of developers, and also wrote a significant chunk of the code himself. Along the way, he insisted on regular code reviews, asking appropriate and probing questions about design decisions. I read his code, too (he wouldn't have it any other way), but I had a hard time finding flaws. The result was probably the most solid codebase that I've ever worked on. During the year of "maintenance mode" work that I witnessed, we were frantically patching most of the rest of the system, but Reg's Threadalyzer core was hardly touched, the motto being not to fix what wasn't broken.

—**Christian Jaekl**

Management Consultant to Novator Systems: 2002

Created a product development road map for the company's automated self-service research efforts. Defined roles, processes, and gating criteria for shipping a successful product over the company's 22 engineers and leads. Conducted development training.

Vice-President of Development, Conversagent: 2000 – 2001

Instituted agile product development, managed team growth, and led the development team. Personally created the server architecture and collaborated with the President on sales calls and business development.

Visual C++, Visual Basic, Visual SourceSafe, Java, J2EE, SOAP, XML, JSP.

Development Manager, KL Group (now part of Quest Software): 1998 – 2000

Led development of JProbe Threadalyzer, 1.0. Managed four teams developing JProbe Suite (JProbe Threadalyzer, JProbe Memory Debugger, JProbe Profiler, and JProbe Coverage), shipping two major market-leading releases on schedule. Introduced HP/UX support and J2EE support.

Introduced iterative development to the company. Managed 18 reports and three team leads. Conducted press engagements. Spoke at conferences on the subject of empirical software development processes and conducted training.

Visual C++, GCC (Gnu C++), Java JDK 1.0–1.2, JVM Source Code, JVMPI, JVMDI, J2EE, Visual SourceSafe, Rational Purify, Gnats, VisualAge for Java (now Eclipse), WebSphere Application Server (WAS), BEA WebLogic, BEA Tuxedo, Windows, Linux, HP/UX.

Managing Partner, Codestorm: 1994 – 1998

Led technical development of, and shipped version 1.0 of nCrypt for Apple Newton, Firestorm Dynamic Web Server, Dharma automated publisher, Gallery web photo publisher, CMS Customer Relationship Manager (CRM).

C++, Java, J2EE, Servlets, NewtonScript, 4th Dimension, Lightspeed C, SQL, Scheme/Lisp, Windows, MacOS.

Micro-ISV and Consultant: 1985 – 1994

Developed and shipped various database publishing applications for the print media industry, including the classified advertising and directory industries.

4th Dimension, Lightspeed C, MacOS, Turbo Pascal, MP/M, CP/M.