

Brett Rasmussen

1243 Aspen Ave · Provo, UT · 84604 · (801)427-3992 · brett.rasmussen@twoedge.com

SUMMARY

I am a programmer and project manager with a special interest in scripting languages and a fascination with agile development methodologies. I perpetually search for the most well-crafted technologies and the best practices.

QUALIFICATIONS

12 years experience
Ruby, Ruby on Rails, Rake, Capistrano, Radiant, Ruby metaprogramming
Python, PHP, Perl
Java, SWT
Project management
eXtreme Programming, Test-Driven Development
Software architecture, correct Object-Oriented principles
MySQL, PostgreSQL, Oracle, SQLite
HTML, JavaScript, CSS, div-based web page layout
Visual design and layout, Photoshop, Illustrator, GIMP
Linux administration, Apache administration
Exceptional verbal and written communication skills, collaborative personality

PROFESSIONAL EXPERIENCE

Lead Ruby Developer

Aculis, Provo, UT, June 2008–March 2009, October 2009–Present

- Developed custom Radiant CMS extensions interacting with PostgreSQL database
- Used Ruby metaprogramming to enhance community extensions
- Created session_var extension, caching multiple variations of pages based on session variables
- Invented client-side SOAP mapping library
- Integrated client software with complex web services
- Wrote or customized localization modules
- Oversaw geographically disparate team of Ruby developers
- Bundled custom software and community Ruby gems in Debian packages
- Developed dozens of Rails-based features for Matchbin CMS, hosting hundreds of sites and receiving 500,000 hits / day
- Created Rake and Capistrano scripts for language-file automation
- Implemented iAtom (XML) feeds for uploading member content to Associated Press
- Identified and remedied deficiencies in QA coordination and build/release process

Tools: Ruby on Rails, PostgreSQL, MySQL, Radiant, Rake, Capistrano, Prototype.js, memcached, git

Ruby Programmer / Project Manager

PMA Media Group, Provo, UT, April 2009–October 2009

- Gathered requirements for, architected, and led development of complex bulk mailer system with separate components for batcher, queuer, mailer, receiver, and tracker
- Wrote Sinatra code to improve web-based track-and-redirect utility
- Wrote nanite worker processes consuming RabbitMQ messages
- Trained novice Ruby programmers

Tools: Ruby, Ruby on Rails, MySQL, Sinatra, RabbitMQ, nanite, ActiveSupport, git, jQuery

Project Manager / Ruby on Rails Programmer (and Graphic Designer)

Surgeworks, Salt Lake City, UT, June 2007–October 2007

- Managed \$100,000 development project of custom ERP for metallurgical machine shop
- Designed look and functional flow of user interface; coded it in Ext JS
- Coded modules for materials and purchase orders
- Developed enhancements to acts_as_audited Rails plugin

Tools: Ruby on Rails, AJAX, Ext JavaScript UI library, GIMP, Xara, acts_as_audited

Ruby on Rails Developer (and Graphic Designer)

The University of Utah, Salt Lake City, UT, August 2006–May 2008

- Created custom content management system for all university choral ensembles
- Created centralized database shared among 3 separate sites
- Replaced old table-based HTML layout with simplified div-based layout
- Designed U of U A Cappella Choir logo

Tools: Ruby on Rails, Rails Engines, MySQL, Mongrel, Mac OSX Server, HTML, CSS, GIMP

Ruby Programmer

The Church of Jesus Christ of Latter-day Saints, Salt Lake City, UT, April 2006–August 2006 (Contract)

- Developed programs in standalone Ruby for monitoring and repairing world-trafficked servers
- Reduced server downtime by 90%
- Employed test-driven development approach for all code

Tools: Ruby, Test::Unit, GServer, Bash shell scripting, Nagios, SUSE Linux

Vice President of Technology / Project Manager / Java Programmer / User Interface Designer

Agile Studios, Orem, UT, September 2004–March 2006

- Initiated and oversaw transition of company-wide development practices to agile methodologies
- Interviewed job candidates; managed staffing of all projects; coordinated all project managers
- Collaborated with other executives on issues of broad company direction
- Managed \$750,000 development project of Java-based desktop reservation system
- Oversaw team of 8 developers in eXtreme Programming model, assigned tasks and pairings
- Architected reservation system code structure in customized MVC model
- Designed functional flow of dozens of user interface screens
- Architected and managed development of Java client/server network monitoring utility; designed and coded server component, XML protocol, and licensing scheme

Tools: Java, J2EE, SWT, Tomcat, Ant, Apache, MVC, Java Security Architecture, Eclipse, HTML, CSS

PHP Programmer

Various companies, including Mediatone Music and ProHosting Corp, March 2003—June 2005

- Created various features of a music file database / download service, including secure download system, volume pricing, promotional discounts, and product display templating system
- Integrated website shopping carts with AuthorizeNet and PayPal payment gateways
- Wrote utility scripts in Python
- Created registration and authentication modules for a gamers' file download system

Tools: PHP, MySQL, Python

Perl / Java / JavaScript Programmer

Various companies, including Orangatango and NetFire Hosting, October 1996—August 2001

- Created browser-based UI features for flagship web anonymizer in JavaScript
- Developed many data mining scripts in Perl
- Administered Oracle database and Red Hat Linux systems
- Developed RPM-packaging method for installing flagship product on distributed nodes
- Designed and created Java API for company-wide NDS directory over LDAP
- Created CGI programs in Perl for many customer websites, including 1-800-CONTACTS.com

Tools: Perl, Java, Oracle, JavaScript, NDS, LDAP

Web / Graphic Designer

Various companies, 1996—2008

- Visually designed websites for many companies, including International Power Technologies, Axiom Financial, National Golf Course Owner's Association, Consolidated Commerce, Waterstone Consulting, Beautiful Singing, Searle IQ, International Computer Systems, Skydive Utah, BYU's Center for Remote Sensing
- Designed highway billboard and advertisement postcards for medical imaging company
- Designed and implemented merchant control panel for payment gateway
- Designed corporate sites and custom video players/galleries of many news organizations

Tools: Adobe Photoshop, Adobe Illustrator, GIMP, HTML

OTHER EXPERIENCE

- Conductor of three community choirs
- Vocal teacher and soloist
- Editor and research assistant for two books, one a military history and one a discussion of singing
- Volunteer church representative for 2 years in Argentina
- Fluent in Spanish

EDUCATION

Master of Music, Choral Conducting, The University of Utah, May 2008 (4.0 GPA)

Bachelor of Arts, Music and Psychology (double major), Brigham Young University, April 1995