



Ruby and Related Web Tools & Technologies

- ◆ Ruby
- ◆ Rails
- ◆ Merb
- ◆ Sinatra
- ◆ Test::Unit
- ◆ RSpec
- ◆ Cucumber
- ◆ Selenium
- ◆ Watir
- ◆ Rake
- ◆ Capistrano
- ◆ TextMate
- ◆ Integrity
- ◆ CruiseControl.rb
- ◆ Git
- ◆ Javascript
- ◆ Prototype
- ◆ Scriptaculous
- ◆ JQuery
- ◆ AJAX
- ◆ HTML
- ◆ CSS
- ◆ Firebug
- ◆ EC2
- ◆ S3
- ◆ Cloud Computing
- ◆ Twitter API

Agile Methodologies

- ◆ Extreme Programming
- ◆ Unit Testing
- ◆ Test Driven Development
- ◆ Behavior Driven Development
- ◆ Defect Driven Testing
- ◆ Pair Programming
- ◆ Ruthless Refactoring
- ◆ Continuous Integration
- ◆ Just-In-Time Design
- ◆ Kanban
- ◆ Lean Development
- ◆ Scrum

PROFESSIONAL EXPERIENCE

Open Source portfolio available at: <http://github.com/redinger>

12/00 to **Agile Disciple**

Present Independent Contractor/Freelancer

Agile Disciple: <http://agiledisciple.com>

This is my Ruby and Rails consulting company. I specialize in web applications built using Agile methodologies and Ruby on Rails.

MemberHub: <http://www.memberhub.com>

Provided an EC2/S3 based Sinatra service that would allow MemberHub users to upload photos to the MemberHub site for sharing.

MyOrthoMD: <http://myorthomd.com>

Enhanced existing Rails site to allow customers to order orthopedic equipment online. Improved backend to allow owners to modify available products.

GlaxoSmithKline: Delivered three separate Agile, web development projects. All delivered using XP practices among a globally distributed team consisting of contractors and FTEs.

1. PlateTools - a web application that allows users to transfer data from a set of databases to another set of databases, transforming the data in the process.
2. DART – Discovery Asset & Reporting Tool; Facilitates communication among scientists. Chemists put in a request for compounds to be tested in an Assay. Biologists run the Assays and report results. All communication happens within the application.
3. OR&M – Operational Reporting & Metrics; Allows users to choose from a set of database queries and customize the reports based on their needs. Our first release was described by a chief scientist as a “killer app”, after four weeks of development.

Keihin Carolina Systems Technology, INC.: Contracted as one of a pair of programmers to deliver a custom work order tracking system while introducing XP practices to the organization.

Fairchild Semiconductor Technical lead on a capital project with a team of consultants and in-house employees for full life cycle development of a reporting solution for I2 supply chain management software. Developed an in-house, Perl-based tool used for the Extract/Transform/Load process in order to automate many of the routine processes that happen in a data warehouse and much of the repetitive code involved in these tasks.

Database Technologies

- ◆ SQL
- ◆ PL/SQL
- ◆ TOAD
- ◆ SQLDeveloper
- ◆ SimpleDB
- ◆ Oracle
- ◆ Sybase
- ◆ Hypersonic
- ◆ MySQL
- ◆ SQLite
- ◆ PostgreSQL
- ◆ GDBM
- ◆ Data Warehousing

Other Skills, Tools, APIs, Methodologies

- ◆ Java
- ◆ VB.net
- ◆ ASP.net
- ◆ Perl
- ◆ C/C++
- ◆ PHP
- ◆ Eclipse
- ◆ Emacs
- ◆ Visual Studio
- ◆ JUnit
- ◆ JMock
- ◆ EasyMock
- ◆ JSUnit
- ◆ NUnit
- ◆ Maven
- ◆ Ant
- ◆ JDBC
- ◆ Hibernate
- ◆ NHibernate
- ◆ JSF
- ◆ Sails
- ◆ WebWork
- ◆ JSP
- ◆ Servlets
- ◆ RichFaces
- ◆ Velocity
- ◆ Jetty
- ◆ JBoss

12/07 to **Rails Evangelist**

01/09 PrepChamps, Inc. Durham, NC

<http://prepchamps.com>

Hired directly by the CTO to head up the development team. Responsible for introducing Rails and Agile development to the company.

Headed up a team of contractors and employees for building the web site in Ruby on Rails, with a separate Merb component hosted on EC2.

The development process we refined over time starting with a modified-XP style process and introducing principles from Scrum and Lean as we determined what worked for us. Practices included TDD, Pair Programming, Daily Standup, Continuous Integration, Ruthless Refactoring, Simple Just In Time Design, and Daily Releases.

08/05 to **Software Developer**

02/06 Arsenal Digital Solutions, Cary, NC

Temporary contract to develop a web application that allows partners to automatically provision a large amount of customers quickly and provides an executable program that installs customized software on the client computer.

Introduced a plan to move from a heavy-weight waterfall development methodology to a more agile, XP-based process, including such key practices as daily stand up, test driven development, small releases, iteration planning, collective code ownership, refactoring, and pair programming.

06/99 to **Senior Software Developer**

12/00 BroadcastAmerica, Westbrook, ME

Senior Developer for an Internet-based streaming company.

Responsible for designing, implementing and maintaining a mod_perl solution for dynamically generating all of the web pages on a GNU/Linux server running Apache. My main concerns for this project were efficiency, reliability and flexibility.

Assisted in the design and implementation of a MySQL database backend system that supported this mod_perl solution.

- ◆ Tomcat
- ◆ Apache
- ◆ mod_perl
- ◆ Subversion
- ◆ CVS
- ◆ VersionOne
- ◆ RMI
- ◆ Object Oriented Design
- ◆ Linux
- ◆ Unix
- ◆ Mac OS X
- ◆ Windows

08/98 to **Software Developer**

6/99 InfoTech Solutions, Corp. Westbrook, ME

Developed software that interfaces with cellular, paging and voice mail switches for automatic provisioning and data collection.

Developed client/server interface routines using C/C++ and Perl on both HP Unix and Solaris platforms.

Wrote C++ routines to interact with a Sybase Database for billing software.

EDUCATION

05/05 **M.S. in Computer Science**

G.P.A. 3.94 University of Southern Maine

12/98 **B.A. in Mathematics**

G.P.A. 3.53 University of Southern Maine

REFERENCES

Recommendations available at: <http://www.linkedin.com/in/redinger>

Excellent references available on request.