

# Joshua T. Rowe

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## Objective

A senior level programming position that allows me to demonstrate my variety of skills while widening and deeping my skillset in open source Perl development.

## Skills

### Languages

#### Perl

Object-Oriented Perl CGI Catalyst modperl Template::Toolkit DBIx::Class DBI Moose App::Cmd  
Log::Log4Perl Test::Class Test::More IO::Socket XML::XPath JSON LWP::UserAgent WWW::Mechanize  
HTML::TreeBuilder Devel::Cover Perl::Critic Gtk2

#### Javascript & Web Languages

Javascript jQuery HTML CSS AJAX JSON ExtJS XML SOAP

#### XML

XML XPath XSLT XMLSchema Docbook

#### Java

client/server networking threading & concurrency Swing Reflection API XML/XSLT CORBA Apache Tomcat  
JUnit Struts JMS JDBC RMI J2ME Grails

#### Others

PHP Ruby C

### Databases

MySQL PostgreSQL SQLite SQL PL/pgSQL

### Tools

#### Version Control

git CVS Subversion Clearcase

#### Build Systems

Ant Make

#### Bug Tracking

Jira Trac Bugzilla

#### Editors

vim vi Eclipse TogetherJ

#### Testing Tools

JUnit JTest JProbe Eclipse

### Operating Systems

Linux OpenBSD Windows

### Methodologies & Processes

Agile Development Pair Programming UML

## Employment History

### Senior Perl Programmer

Gander Mountain Mesa, AZ  
March 2010 - Present

Work and communicate effectively while working remotely 100% of the time. Write and debug both object-oriented Perl and structured Perl. Satisfy PCI requirements. Design and modify tables and queries in MySQL. Implement rich interfaces in Javascript and HTML. Mentor junior developers. Implement feature requests. Handle bug reports.

### Senior Perl Programmer

USGN Phoenix, AZ  
April 2009 - March 2010

Wrote object-oriented Perl. Implemented rich interfaces in jQuery. Designed some MySQL tables. Created a unit test framework for the codebase. Implemented more fine-grained permission controls. Implemented an opt-out mechanism. Integrated a logging framework into the codebase. Integrated an online print API via SOAP into the codebase. Developed a prototype wiki extension. Converted the CVS repository to git. Implemented feature requests. Handled bug reports.

### Perl Programmer

ICrossing Scottsdale, AZ  
March 2006 - April 2009

Write a custom AdWords analysis tool in Perl using Google AdWords API over SOAP. Develop an object-oriented Perl data-mining and extraction application from a prototype to a production-deployed application. Test and deploy the data-mining application. Perform complete database design and optimization for PostgreSQL database for the data-mining application. Write PostgreSQL stored procedures for the data-mining application. Write miscellaneous Perl, Ruby, shell scripts. Administrate Linux workstations. Maintain CVS/Subversion repositories. Maintain Perl ETL code for the web-metrics product. Write natural language processing scripts in Perl. Coordinate with project manager to define project milestones and overall schedule.

### Software Engineer II

Raytheon Fort Wayne, IN  
May 1998 - March 2006

Created Java Swing and AWT GUIs for Solaris. Architected and developed Java Swing GUI multithreaded application framework and GUI server for Solaris. Created Java concurrency libraries for the application framework. Mentored and trained team members in Java development practices. Developed and documented site-wide Java best practices. Developed the site-wide Java coding standard. Implemented a binary Java messaging protocol for use between the legacy system in Ada and C and the GUI server. Created an object-oriented Perl tool to generate Java and CORBA IDL code from custom XML type definitions. Architected and implemented a Java messaging server to handle CORBA requests to the legacy Ada/C application. Performed object-oriented analysis and design using Rational Rose and TogetherJ in UML. Produced extensive design documentation including use cases, class diagrams, and flow control diagrams. Profiled and optimized code with the JProbe memory profiling tool. Created unit tests with JUnit and JTest to achieve 100% code coverage. Conducted customer integration tests. Received RTSJ training by Sun. Received Java security training by Sun. Troubleshot and corrected memory performance problems in a JBoss deployed application. Participated and conducted code peer reviews. Achieved Six Sigma Green Belt.

## Education

### **BS Computer Science, Purdue University**

Fort Wayne, IN May 1998

## Sample Code

Visit <https://github.com/jtrowe/delhelper> for some of my sample code. This small project imports delicious.com bookmarks into a SQLite database. From there, one may generate some reports and/or check whether the urls are still present on the web.

## References

Available upon request.

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