

Mike Frawley
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Objective: Build simple, enjoyable web applications.

Languages: Ruby, Javascript, HTML, CSS, C#, SQL, Python, C, C++, VB6, Mumps

Frameworks: Ruby on Rails, Sinatra, Couchdb, jQuery, ExtJS, JSpec, Git

Strengths: Testing, Object Oriented Design, Technical Writing

Education: Bachelors of Science in Computer Science. Graduated May 2007
Institute of Technology, University of Minnesota
3.5 Cumulative GPA. Deans List Spring 2006

Experience:

Software Consultant April 2010 - Present
Champ Software Mankato, MN

Add functionality to Champ's Ruby on Rails healthcare application to communicate with state immunization registries using HL7 messages.

- Implemented a declarative ruby HL7 parsing and generation library, an integrated it with rails.
 - Using prawn pdf library to generate complex federal health forms.
 - Extensive testing with Rspec and factory_girl.
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Lead Software Developer March 2009 - Present
Pillarsoft Inc. Minneapolis, MN

Built a financial risk analysis application with Ruby on Rails, Couchdb, and the ExtJS framework.

- Created a javascript calculation engine that runs both on the client and server, to get high client-side interactivity without duplicating logic.
 - Designed a declarative language for specifying calculations that enables the financial experts to define all sheet logic themselves.
 - Heavy use of the ExtJS javascript UI framework, including building several controls. Unit and interaction tested with the JSpec testing framework.
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Software Developer September 2008 - February 2009
Black River Asset Management LLC Minnetonka, MN

Worked on a .NET desktop risk analysis application built with nHibernate, CSLA, and the DevExpress frameworks.

- Wrote ruby scripts to generate boilerplate CSLA and nHibernate files based off the database schema. Exposed it to coworkers as a Sinatra web service.
 - Setup blogging software for our development team. Wrote articles on topic including using NUnit, UI design, and safe merging in svn.
 - Heavy usage of SQL and oracle's PSQL, including project to generate email reports from inside the database.
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Software Developer September 2007 - August 2008
Epic Systems Corporation Madison, WI

Worked on the Real Time Eligibility team, writing software to interface with 3rd parties for insurance claims processing via the HL7 and X12 messaging formats. Wrote client/server applications in Mumps, VB6, and C#.

- Lead technical implementer for a five month software rollout at a major hospital. Made weekly calls and several on site visits, performed extensive setup and testing, and developed custom functionality the customer required.
- Developed several tools for our server side language, Mumps, including unit testing framework and an iteration library. Asked to join the core developer tools team.
- Participated in frequent code reviews.

Software Consultant
South East Asia Refugee Community Home

August 2007
Minneapolis, MN

Built an information tracking system using Zoho Creator to help a non-profit track the results of their refugee job placement programs.

- Wrote many custom views and logic using the Deluge scripting language including an access control system and email reports.
- Created and presented training materials to employees.

Software Developer Intern
Datacard Group

June 2006 - August 2006
Minnetonka, MN

Updated Datacard's printer diagnostics software with features for an upcoming desktop printer using Visual C++ and MFC.

- Refactored the code base, increasing readability while cutting the number of lines of code of several major files by 40%.
- Finished project early and joined the rest of the developers in adding functionality to the windows driver for the new printer, coding in C.
- Self-motivated redesign of several screens to improve usability. After building a prototype and getting approval, implemented the design.