

Jon-Michael Anthony Deldin

Experience

- 08/2016–present *Full-Stack Developer* at High Seas Consulting, Everett, WA
- * Brought data integrity and usability into a shipwrecked React/Rails/ElasticSearch product.
 - * Developed React components, Backbone models, and Rails APIs for a scheduling-based application spanning multiple services.
- 07/2015–09/2016 *Software Developer* at Copious Agency, Portland, OR
- * Added new features and refactored an order-fulfillment layer on a long-running Rails+MongoDB ecommerce application.
 - * Developed a Rails and Neo4j-backed API for a new social network. The API supported an Ember.js web app as well as a Rubymotion iOS app. Contributed to Neo4j's Ruby bindings.
- 05/2013–06/2015 *Applications Engineer* at The Clymb, Portland, OR
- * Developed an image compositing pipeline and interactive tools for creative team to create and adjust product images through a specialized in-browser image editor.
 - * Wrote asynchronous jobs for backfilling 4M+ user profiles for various personalization, recommendation, and email provider APIs using Redis and Sidekiq.
 - * Paved the way for a non-technical QA team with “chat ops”.
 - * Introduced JavaScript unit testing and integration testing for admin features.
- 02/2010–05/2013 *Software Developer* at Biomimicry 3.8, Missoula, MT
- * Developed the Biomimicry Student Design Challenge website. It was a huge success with over 500 students registering in the first year and over 1,200 students registering in the second year.
 - * Optimized SQL queries for drastic speedups, implemented search index health monitoring, and implemented automated spam prevention and detection tools.
 - * Developed backup, visualization, and reporting tools using Ruby, bash, Graphviz, and R.
- 08/2011–12/2011 *Lab Instructor* at University of Montana, Missoula, MT
- I taught students in a bioinformatics lab practical Perl and Unix skills for parsing and analyzing sequences and BLAST output.
- 06/2009–11/2010 *Web Developer* at Regional Learning Project, Missoula, MT
- I illustrated maps, produced interactive websites using PHP and JavaScript, administrated a Debian VPS, and managed older sites with Python, sed, and friends.
- 05/2005–03/2014 *Freelance Web Developer* at jmdeldin.com, Missoula, MT
- I designed and developed websites, transcribed mockups into XHTML and CSS, developed custom plugins for Textpattern and Wordpress, and managed Debian servers.

Education

2013 · *M.S. Computer Science*
University of Montana

2009 · *B.A. Biology & B.A. Chemistry*
University of Great Falls

Skills

Proficient Ruby, Python, Perl, JavaScript, sh, SQL

Familiar C, C++, Java, Obj-C, OCaml, Scheme

Databases MariaDB/MySQL, MongoDB, Neo4j, Postgres

Publications

Deldin JM., Schuknecht M. (2013) The AskNature Database: Enabling Solutions in Biomimetic Design. In: Goel A., McAdams D., Stone R. (eds) *Biologically Inspired Design*. Springer, London