

Andrew Sheehan

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Work History

- **Software Developer** June 2013 - Present
DiscountMags.com Chicago, IL
 - Developed and enhanced the Discountmags.com E-Commerce platform, a heavily modified JShop system
 - Designed and implemented a variety of RESTful services using Silex and Restler
 - Tracked user actions by integrating Google Analytics using Google Tag Manager and Angular-like JavaScript
 - Transitioned from a procedural code base to an object oriented one using a Doctrine-like DBM
 - Created and improved MySQL reports to improve affiliate marketing and backend tools
 - Built Java-based Selenium scripts to test various processes
 - Integrated libraries/tools such as Google Content API for Shopping, Google Places, Criteo, Power Reviews
 - Improved the customer experience by transitioning to a responsive design
- **Research Programmer** September 2008 - June 2013
VectorBase - University of Notre Dame Notre Dame, IN
 - Served as database administrator, performed general maintenance, and built a variety of tools for the VectorBase Bioinformatics Resource Center
 - Led Classroom sessions and created tutorials for users interacting with VectorBase tools
 - Designed and implemented the VectorBase search service that provided multi-domain searches and faceted result filtering via Apache Solr (on Tomcat)
 - Installed the Drupal content management system and ported legacy web code to Drupal
 - Transitioned versioning systems from Subversion to Git and maintained the VectorBase SCM
 - Updated and improved the Community Annotation Pipeline tool (a Java/Hibernate based crowd-sourced genomic annotation system)
- **Software Developer** June 2006 - July 2008
Innoprise Software, Inc. Broomfield, CO
 - Built and maintained a web-browser based tax system for self-collected cities using Java EE
 - Converted client data from various sources into the tax system's database using Groovy scripts
 - Worked extensively with the ZK AJAX framework (zkoss.org) and extended ZK's functionality
 - Used Maven and Glassfish to compile and deploy the tax system for clients

Education

- **University of Notre Dame** Notre Dame, IN
 - Computer Engineering (Class of 2006)

Languages: HTML/CSS, Java, MySQL/PostgreSQL, PHP

Operating Systems: Linux, Unix, MacOSX, Windows

Hobbies: Working with Linux, Web/Mobile Development, CrossFit, Hockey, Ultimate Frisbee (College Captain and Chicago Club Team Member/Logistics Coordinator)