Adam Gschwender – Software Developer

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SUMMARY

Software engineer with over 10 years of web development experience in heavily trafficked websites.

COMPUTER SKILLS

Languages
- Proficient in: PHP, Python, JavaScript, CSS, HTML/XHTML, XML
- Familiar with: Java, Perl, C/C++, TCL, Shell, Coldfusion

Formats/Protocols/Standards
- JSON, SOAP, RDF, RDFa, SEO, RSS, XML, Sitemaps

Software
- Data Storage/Indexing: Oracle, MongoDB, MySQL, SQL Server, Elasticsearch
- Operating Systems: Linux, Unix
- Version Control Systems: SVN, CVS, GNU arch, Git
- Web Servers: Apache, Nginx, AOLServer, IIS
- Libraries/APIs/Frameworks: jQuery, Google APIs, Facebook API, Tornado, Pylons, Disco

EXPERIENCE

Senior Developer   2/2011-Present

Self-employed
- Implemented a preferential voting system that allows users to quickly rank items relative to each other.
- Used Tornado to perform server side asynchronous HTTP requests to Facebook.
- Used RabbitMQ to sync data from MongoDB to Elasticsearch and to process events.
- Developed a Chrome extension for interacting with Reddit's search API.
- Developed a URL preview application using PyQt, Qt4 and Webkit.

Senior Developer   10/2009-02/2011

Interactive One
- Implemented the OpenSocial container specification.
- Developed search application using Elasticsearch and Disco, a MapReduce framework.
- Applied Google's SEO best practices to various areas of the sites.
- Identified and fixed several XSS vulnerabilities.
- Developed an ORM library for mapping objects to queries.

Software Engineer   6/2008-9/2009

New York Times Co.
- Implemented the New York Times site search using Google's Custom Search Engine.
- Created conceptualization and categorization services for extracting semantic information which can be embedded as meta data and linked to relevant topics.
- Developed an application to produce XML and HTML Sitemaps.

Consultant   7/2006-5/2008

Community Connect Inc.

- Developed the Blackplanet.com music site.

- Implemented a functional interface to support Intercasting's mobile phone application.

- Implemented the Google Profile for increasing ad revenue.

- Completed several medium sized projects: dating match email and note notifications, marketing campaign tracking tools, and a collaborative filtering application.

Consultant   10/2005-7/2006

Cosential.com

- Developed a data syncing application using SOAP and Coldfusion which can export data from a client's accounting database and import into the Cosential marketing and management database.

- Implemented an ajax enabled, edit in place project management tool for calculating the cost and profitability of a project.

- In addition to these larger projects, performed site maintenance, minor enhancements and mentored junior developers.

Senior Developer   6/2002-8/2005

Community Connect Inc.

- Acted as technical lead in building the dating application for AsianAve, BlackPlanet and MiGente as well as contributed to writing the transaction (billing) application which interfaces with Telecheck and ClearCommerce.

- Was involved in the following key pieces of functionality for the community sites: Registration, Profile Creation, Dating, Instant Messenger, Homepage.

Software Engineer   12/2001-4/2002

NetCreations

- Designed, developed and maintained Web and Server based applications for a high-volume Website production environment which was written in Oracle and Perl.

Senior Developer   12/1999-12/2001

JobDirect.com

- Managed a team responsible for maintaining JobDirect.com and releasing all new development and enhancements.

- Built the entire employer portion of JobDirect.com using TCL and Oracle as well as built the corresponding E-Commerce site which securely submits data, via SSL, to CyberCash.

- Manipulated user Word and RTF documents using perl.

MISCELLANEOUS

Open Source Projects

- Reddit Anywhere Chrome Extension on github at agschwender/reddited-extension.

- NSFW or SFW? A URL previewer on github at agschwender/nsfw.

Publications

- Elahi, Ata, and Gschwender, Adam. ZigBee Wireless Sensor and Control Network. Boston: Prentice Hall, 2009.