

# Ed Johnson

## Contact Information:

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## **OBJECTIVE:**

Seeking position as a Software Engineer in San Francisco, CA

## **TECHNICAL SKILLS:**

**Programming:** Java, Spring, Hibernate, XML, TestNG, JUnit, EasyMock, Test Driven Development, RESTful Web Services, SQL, JSP, Maven, Design Patterns, Database design, UML, Javascript, JSON, AJAX, Flex, ActionScript 3, XMLUnit, Selenium, Ant, XHTML, CSS, ATOM, RSS, Stripes;

**Familiar with** PHP, C++, C, Memcached, Hudson, Amazon EC2, S3, STL;

**Server Software:** Installing/ configuring Tomcat, Apache, IIS, VMWare Server;

**Databases:** MySQL, PostGres, MS SQL Server, JDBC;

**Software:** IntelliJ, FlexBuilder, Cygwin, g++, MS Visual Studio 2003-2008, Eclipse, SVN, CVS, Firebug, Tamper Data, NetBeans, Valgrind, Jmeter, PhotoShop, Dreamweaver, Visio, Borland TogetherSoft, MS Office Suite;

**Operating Systems:** Linux, Unix, Mac OSX, Windows 2000/XP/Vista, 2003;

## **EDUCATION:**

**MS, Computer Science;** San Francisco State University; San Francisco, CA, Dec. '06, GPA: 3.50/4.0

**Bioinformatics Certificate,** Cal State Hayward, Hayward, CA, June, '04

**ABJ, Public Relations; Minor: Spanish;** The University of Georgia 30602; Athens, GA, June '98

Awarded SFSU Alumni Scholarship

## **WORK EXPERIENCE:**

### **Full time:**

**Software Engineer:** Widgetbox, San Francisco, CA, Nov '07 – Oct '08

\* Developed, tested and released new features to Java EE 5 web applications in 2-3 week sprints for rapidly growing audience of 55+ million unique monthly visitors and 100,000+ developers

\* Implemented scalable software practices using Java, Spring, Hibernate that handled >100% growth over 12 months to become the 28th largest network on the web measured by unique visitors (<http://www.quantcast.com/p-3ayZhMX92Pd1o> - 10/2008)

\* Worked in small teams, using agile development practices including daily scrums, pair programming, peer review and test driven development

\* Quickly learned Adobe Flex and Bebo REST API in order to code a web widget which has grown to 50,000 users

\* Researched and solved custom search scalability problem by integrating Google Custom Search web service into Widgetbox Custom Gallery platform. Enabled full text searching of user generated widget galleries

\* Created RESTful RSS, ATOM and JSON feeds for consumption by 3rd party websites to create custom widget galleries

\* Built suite of tests using Selenium-based tool to automate regression testing of web application

**Lead Web Developer,** AnswerThink, Atlanta, GA, August '98 – May '00

\* Managed front-end production effort of the world's largest auto parts e-commerce site: NAPAonline.com

\* Implemented and maintained sites ranging from promotional sitelets to large scale rollouts for numerous Fortune 500 clients, such as UPS, IBM, BellSouth, and NAPA Auto Parts, using HTML, Javascript, CSS

\* Trained new AnswerThink developers. Trained existing NAPA employees to take over maintenance of their site.

## **Consulting Projects:**

**Technical Lead:** The Henne Group, San Francisco, CA, October '08 – Present

\* Managing technical resources for web survey project with Securities and Exchange Commission that collects data from every company listed on NYSE and NASDAQ

\* Load tested vendor's web app from Amazon EC2 using Jmeter and coded adjustments resulting in >500% increase in maximum concurrent users

**Systems Administrator:** The Arns Law Firm, San Francisco, CA, March '03 – March '07 (14 users)

- \* Installed servers, designed and implemented Distributed Active Directory, Group Policy Objects, DNS, IIS, VPN for these three small businesses
- \* Managed daily desktop support, technology purchasing, web applications, and all other technical requirements, while studying for Masters degree in Computer Science
- \* Interviewed and trained new IT staff

**Systems Administrator:** The Henne Group, San Francisco, CA, September '04 – March '07 (8 users)

**Systems Administrator:** Wyoming Call Center, Greybull, WY, September '05 - Jan. '06 (40 users)

**Software Developer:** College of Behavioral and Social Sci., SFSU, San Francisco, CA, Jan. '03 - Aug. '03  
Designed and implemented a Resource Reservation Calendar Web Application in Adobe ColdFusion and MS SQL Server, using Adobe Dreamweaver, Adobe ImageReady and MS Visio

**Systems Administrator:** Natural Resources Defense Council, San Francisco, CA, July '01 – Dec. '01

**Web Developer:** InfoWorld Magazine, San Mateo, CA, April '01 - May '01  
Coded tail end of website redesign project with extremely aggressive schedule using HTML, CSS, Javascript and Photoshop - Launched on time

**Lead Web Developer:** NAPAonline.com, Atlanta, GA, August '00 – Oct. '00  
Co-designed and coded a new business to business site's user interface, application flow, and graphics using HTML, Javascript, MS Visio, and Adobe Photoshop

## SOFTWARE PROJECTS:

### [Divisatech MyMedia:](#)

- \* Actively developing a web application that asynchronously tags your Flickr photos with name metadata from your social networks
- \* Building with YUI Grids, Spring MVC, Hibernate, MySQL, Maven, Tomcat stack.
- \* Utilize Java Executor Framework and fixed thread pools to parallelize tasks without exhausting resources

### [HIVM:](#) (open source)

- \* Created an application for Prediction of HIV Drug Resistance using Support Vector Machine algorithm. Written in fully cross-platform C/C++, using Boost.org libraries, LibSVM, Test Driven Development, MS Visual Studio 2003, g++, Valgrind, gnuplot, Vmware Server (for testing multiple platforms) and Subversion.
- \* [Acknowledged](#) for debugging a memory leak in LibSVM, a widely used software for support vector classification

### [Phlickr:](#) (open source)

- \* Contribute and release bug fixes to PHP 5 library designed to wrap the web service API provided by Flickr

### [Export Photos Too:](#)

- \* Created Facebook web app in PHP 5 and MySQL that asynchronously backs up a user's tagged photos for downloading

## SOFTWARE PORTFOLIO AND BLOG:

<http://edwardotis.com>, <http://edwardotis.net/tech>