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Joshua Ross

Summary

An extremely driven and motivated engineer with a large diversity of web development skills. Over ten years experience developing web based solutions including multiple MVC intranet web applications and made contributions to several open source initiatives. Proven ability to problem solve, acquire technical skills and knowledge rapidly, and show initiative with demonstrated leadership in design and development of innovative web solutions. Seeking a position where these skills, knowledge, and abilities will add value.

Skills

PHP	JavaScript	Python	Perl	Java
jQuery	Backbone	Handlebars	Shell Scripting	C/C++
Memcache	Redis	HBase	PostgreSQL	MySQL
Git	Subversion	Eclipse	Jenkins	Gerritt

Zend PHP5 Certified Engineer

Experience

StumbleUpon, San Francisco CA, June 2010-Present
Senior Software Engineer/Team Lead
Team lead for growth tasked with both increasing traffic to the site and the rate at which we convert. Used custom AB system to test many variations of key landing pages in order to track visitors through potential conversion and site activity. Implemented improved click track which uses yaml configuration files for setup. Assisted in architecting view model layer using decorator and builder pattern to map raw data structs to decorated frontend objects. Designed and developed backbone implementation of Paid Discovery real time reporting. Refactored campaign creation unifying a plethora of different approaches of creating an advertising campaign into a single flow. Used strategy design pattern for handling discrete validation and approval rules. Designed system for storing the critical details of advertising campaigns in hbase which improved visibility into advertiser work flows. Worked with a team of 4 developers to implement new Paid Discovery advertising platform. Architected a set of core libraries for Paid Discovery platform. Assisted in the design and development of real time analytics for Paid Discovery. Developed campaign scheduling system. Member of the interviewing team and assisted in the development of a process which identified key elements all candidates should possess.

Yahoo! Inc., Sunnyvale, CA, June 2008-June 2010
Developer
Developed tagging system comprised of key value pairs associated with opaque entities for the most heavily relied upon application in the business unit. Through the use of namespaces the key value pairs are segregated in a free form way allowing users to determine the scope of visibility. Implemented reusable JavaScript objects using YUI's extend functionality to satisfy the need for multiple selection AutoComplete functionality on any HTML text input. Constructed a library of reusable JavaScript objects to perform common group UI functionality with simplicity having a single line of code per functionality added to any view script. Designed and developed multiple components of an internal system including database, validation, and reporting layers. Using design patterns aided in the immediate adoption of these components in other software systems in the group. Worked with managers and team leads to introduce and define documenting, coding, and testing standards for the group. Setup and configured continuous integration using phpundercontrol for all software projects of the group. Defined a procedure for quickly adding and removing projects from continuous integration. Designed ant build files with reusable tasks intended to interact with a wide range of internal Yahoo! tools. Documented team standards for selenium based testing and developed a test library to facilitate ease of implementing selenium tests. Configured windows server to run multiple vmware instances for selenium grid based testing against Internet Explorer 6 and 7, Firefox 2 and 3, Safari, and Opera

Independent Consultant - 2005-2011
Contracted with security firm building an e-learning application on Zend Framework. Developed custom process for notification and tracking of clients and companies. Improved and automated manual processes and reporting. Contracted with design company and developed custom solutions using PHP, MySQL, and JavaScript for several clients. Built a custom edit panel to hover, be draggable, and resizable for dynamic page modification using Prototype and Scriptaculous. Frequently implemented Joomla and Mambo based web sites and developed many custom components and plugins. Worked with designers to implement pixel perfect cross-browser

XHTML/CSS designs. Developed interactive questionnaires and XML parsers for custom look and feel of XML and RSS feeds. Developed a component to display a Flash file that reads XML data queried from the database and integrated it into Joomla.

Esgut, Atlanta, GA, 2007-2008
Developer/Contractor
Developed applications for the Facebook platform using Zend Framework. Refactored existing applications to be PHP5 OO MVC. Wrote custom plugins for Zend framework to handle integration with Facebook REST API. Designed and wrote Zend Framework view helpers to generate syntactically correct Facebook markup language. Engineered PHPUnit test case for unit testing. Refactored existing GUIs adding jQuery drag and drop functionality. Designed and developed a dating application from the ground up including scalable MySQL database schema with optimized search table containing greater than six million rows. Worked to develop a solution using SQL UNIONs to query large sets of data from an InnoDb table with more than six million rows resulting in queries more than 100 times faster. Optimized MySQL installations for InnoDb tables. Setup Subversion repository and administrated domain nameserver for esgut.com.

Safe-Guard Products International, Inc., Atlanta, GA, 2006-2007
Team Lead/Software Manager
Led team of three developers building PHP5 MVC intranet web application using Zend Framework. Started development using Zend Framework 0.6 and went through several beta versions while refactoring to implement Framework changes. Developed custom library classes to extend Zend ACL in order to implement a very granular ACL. Designed and developed a menu library based on the composite design pattern to achieve dynamic menus. Used jQuery and Prototype to develop AJAX rich XHTML. Developed a set of PHPUnit wrapper classes to achieve unit testing of Zend Front Controllers. Integrated Selenium client based testing into web application testing. Wrote XMLRPC web service to integrate the linux based web server with a proprietary database that had only a Windows based ODBC. Wrote complex queries to retrieve unique datasets using inner and outer joins. Defined development standards including coding, versioning, deployment, and testing.

Developer
Designed and implemented company-wide use of Subversion repository. Designed PostgreSQL database and table structure including triggers and functions in PL/PGSQL and PLJAVA. Maintained internal PHP scripts and managed PostgreSQL database.

Intec Billing, Atlanta, GA - 2001-2006
Developer
Implemented custom solutions for several major telecom operators. Developed skills using and engineering applications in C++, Java, Python, Perl, PL/SQL, and shell scripting. Lead development of custom solution data repository using shell scripting to interface with Oracle. Designed and built an integration solution that merged Oracle tables from two separate Oracle databases using PL/SQL and Perl. Developed in Python an interface to SNMP routers in order to retrieve circuit counters and record them in ASCII data files for mediation. Redesigned existing C++ billing task to distinguish between multiple products allowing flexibility. Coordinated installing and integration on several projects. Performed quality assurance and testing on a major custom solution.

Technical Engineer
Worked to provide zero downtime of mediation software for global telecom corporations. Resolved a range of issues on *NIX servers including hardware failures. Installed and configured the company's mediation software on single and clustered *NIX systems. Developed several scripts to improve team efficiency and accomplish repetitive tasks in Perl and bash shell scripting. Designed and developed PHP/MySQL request software to improve communication between project managers and support personnel. Additionally developed PHP/MySQL solutions to provide a database of support notes and alerts for all support teams worldwide to use. Improved documentation to realize a higher degree of success during installations. Received monetary bonus for PHP/MySQL solutions. Organized and distributed support tasks and activities to my colleagues.

Education

Ball State University, Muncie, IN - 1995-Dec 2000
Bachelor of Science in Computer Science
Attended part-time from 1996 to 1997 while working a full time job.
Received a 5-year scholarship from High Street UMC.

Intermediate Spanish