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Summary

- 15 years experience with L(A/E)MP (Linux/Apache/Nginx/Mysql/PHP5-7).
- 4+ years working with an extremely large scale high profile web property.
- Self motivated, driving project development and code maintainability and reusability.
- Approaches problems from a low level technical level as well as high level, long term business strategy.
- Excellent communication skills, both verbal and written. More focused on product quality than ego.
- Extremely adept in a posix CLI environment. 15+ years of admin experience.
- Built a javascript only model layer for use in PhoneGap applications, encapsulating mysqlite access
- Recently released a second native IOS app <http://siksyntax.com/>, and [Go and Play](#)

Technical Qualifications

Languages: PHP, Perl, Python, Bash, SQL, HTML/XHTML, CSS, JavaScript, Objective C, Regexp, C/C++, ASP

OS: Linux(Debian, Redhat, Ubuntu, CentOS), Unix (Solaris, OSX)

Software: Git, Nginx, Lighttpd, Apache1/2, Mod rewrite, SVN, MySQL+lite, Emacs, Bind, Cruise Control, TravisCI, CircleCI, XCode, gcc, IPTables

Concepts: MVC, OO Design, Test Driven Development, TDD, SEO, Continuous integration, [JSLint](#)

Libraries: Symfony1/2, Zend, Silex, Yii, Cake, PHPUnit, [jQuery](#), Scriptaculous, Prototype, [Cordova](#), [QUnit](#), [jQuery Mobile](#)

Professional Experience

Principle
Pixelstub.com

2009 - present

- Linux, Apache2, MySQL, PHP5, emacs, bash, XHTML, CSS3, JS, JSLint
- jQuery, SVN, symfony1/2, solr, Lucene, Propel, Doctrine, Joomla, REST API, jQuery UI, jQuery Mobile
- Apache Cordova/phoneGap, jQuery mobile, iOS, Xcode, wrote an entire model layer in javascript
- DD-WRT VPN flashing and installation

Senior Software Engineer
Havenly.com

Nov 2015 - Dec 2017

- Designed and implemented a horizontally scalable queued data feed system that ingested 7+ million rows daily from 25+ sources in 15 different formats, utilizing decoupled queues that 1) retained the raw data for traceability, 2) transformed, validate and saved the data locally and 3) pushed the data up to an external API with faceted fuzzy searching.
- Constructed a cohesive plan to upgrade from CakePHP2 to CakePHP3 which involved restructuring the codebase around best practice OO principles to allow for encapsulation and unit testability. This included moving functionality into Behaviors and Components (CakePHP terms for mixins/traits).
- SQL optimization, CSS3, JS, selenium (python), HTML5 with an emphasis on mobile, Twitter bootstrap
- EC2 (load balacing, autoscaling), CodeDeploy, RDS, new relic, papertail, Stripe
- Confluence, JIRA, [distributed git infrastructure](#), github
- CakePHP, Git, Linux, Apache2, MySQL, PHP5.6, unit testing

Senior Software Engineer

2014 - 2015

Colorado State University Global Campus

- Filled the role of architect during a search to fill that position including designing development flow and recommending technical direction. Performed technical interviews of architect candidates. Evaluated vendors and SAAS platforms in comparison to in house development. Interpreted and prioritized external pentest results.
- Dealt with frequent alterations in prioritization of known tasks and unexpected tasks.
- Provided detailed explanations of the technical status of the site to upper management.
- Implemented phpunit, and an environment replication process.
- Spearheaded transition to JIRA for the use of the development team to track issues.
- Yii, Git, Linux, lighttpd, MySQL, PHP5, perl, bash, CSS, JS, Splunk, NFS, Synology, Google oauth, selenium
- Beanstalk, ssh key / git / perl deploy mechanism, researched and implemented best practices.
- Redesigned the web server configuration for use with a load balancer.
- Acted as a resource for junior developers when they were overwhelmed, confused or unsure.

Senior Software Engineer Photobucket.com

2008 - 2009

- PHP5, emacs, bash, XHTML, javascript, jQuery, Scriptaculous, Prototype, XML, apache, mod rewrite, MySql, perl, PHPUnit, cruise control, Linux, IPTables,
- Provided guidance and instruction to other engineers about design, flow and integration
- Implemented a propel like database based code generation system including unit tests
- Instituted unit testing and set up continuous integration
- Wrote a firefox plugin to allow developers to enable, disable and customize debugging in firebug

Software Engineer Photobucket.com

2005 - 2008

- PHP5, emacs, Bash, perl, XHTML, Javascript, XML, Apache, Mod Rewrite, MySql, Linux, Iptables
- Responsible for all payments and related systems, paypal and credit card as well as all internal tools used to monitor, alter and archive entire accounts for legal processing
- Designed, and implemented an asynchronous dynamic templated email system adding tracking, reliability to the email process and securing webservers
- Migrated existing pages to an MVC framework for the internal tools systems, including payment reconciliation, custom reusable widgets and user level authentication and permissions.
- Designed, and created a AJAX system to dynamically display consistent status messages after taking action, including returning caught exceptions, specifically database exceptions
- Responsible for all crons and all development associated with crons
- Admin responsibilities for webservers and databases

US Systems Administrator Proxima Technology

2004 - 2005

- Migration from Windows 2000 to Samba 3.0 for office file share
- Design and install Linux tape backup system
- Migrate gateway device from Redhat 6.2 to Debian woody bf 2.4
- Debian, Outlook, Windows 2000, Windows XP, WEP, WPA, networking, Iptables, DNS, PPTP, VPND, GRE over IP, Bind5 DHCP, bash, perl, tcl scripting

Education

Master of Business Administration Denver University

2004 - 2005

- Marketing Management, Human Resources, Business Values
- Operations Mangement, Business Statregy, Finance, Statistics

Bachelor of Computer Science
Denver University

2000 - 2004

- Perl, Unix, Linux, Internet Routing, Multicasting, IPv4, IPv6
- Data structures, big O notation and program speed, recursion (Lisp), Mpeg, Streaming media
- Binary, Hexadecimal, Intel and PPC Assembly, VM, segmentation, paging, file systems, SQL, PL/SQL

Meta

I enjoy snowboarding, [go](#) (the game), reading, [welding](#), and a pretty much constant stream of home projects. I enjoy a challenge and I love puzzles, and problem solving, as well as working with my hands and constructing things. I also contribute to open source projects, specifically symfony and a few associated plugins.

Professional References

- Bryan Potter potterbm@gmail.com
- Woody Whitman: woodywhitman@gmail.com
- Eric Fowler: eric.d.fowler@gmail.com
- Todd Benge: todd.benge@gmail.com
- Luke Swanson: lswanson@gmail.com