Matthew Whisenhunt – Senior Software Engineer

Cedar City, UT

(435) 565-1337

mattwhisenhunt@gmail.com

## Languages and Technologies

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| --- | --- | --- | --- |
| Language | Years Experience | Depth of Knowledge | KNOWN FRAMEWORKS  ReactJS, Node, jQuery  ASP.NET - WebForms  FAVORITE TOOLS  Git, SVN, Fossil, Mercurial  SQL Server, MySQL  TextMate, Emacs, Visual Studio  FreeBSD, Linux, Apache HTTP  Varnish  BONUS  Fluent in Russian |
| Javascript | 10 | Expert |
| PHP | 10 | Expert |
| Perl | 6 | Advanced |
| VB.NET/C# | 3 | Advanced |
| Python | 3 | Recreational |
| Java | 2 | Moderate |
| C++ | 3 (college) | Moderate |

## Employment

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| --- | --- |
| Senior Software Engineer | **8/2013 – 2/2016** |

TE Connectivity, San Jose, CA

* Overhauled user interface by implementing new provisioning feature to simplify and speed user configuration of telecom equipment. Involved transferring some computation from an embedded micro to browser using ReactJS.
* Drastically modernized an old, insecure web app mostly by recompiling PHP.
* Improved team quality practices by introducing code reviews and static analysis.

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| --- | --- |
| Senior Software Engineer | **9/2012 – 8/2013** |

Arcnous Inc., Campbell, CA

* Returned to a design role; Improved performance and stability while reduce LOC by 10%.
* Designed and implemented the company’s automated testing engine and framework – a browser-based metadata framework that allows a user to implement and execute automated test cases without the user of programming code.
* [ASP.NET](http://asp.net), SQL Server

|  |  |
| --- | --- |
| PHP Developer | **7/2011 – 9/2012** |

Lunarline Inc, Arlington, VA

* Obtained a DoD Secret Security Clearance
* Maintained and Improved a mature LAMP appliance: OSSIM
* Became familiarized with network security tools including: snort, netstat, libpcap, wireshark, et al
* Maintained lots of Perl: both system scripts and web facing applications
* Built internal tools in Python
* Conducted thorough, in-depth source code reviews of Java, PHP - Wordpress, PHP - Drupal, and Python to ensure the high quality, secure software
* Increased the performance of an existing code base (ossim) by 75% resulting in faster page load times and lower hardware requirements
* Leveraged open technologies to correlate data from many different application stacks on multiple operating systems to provide comprehensive answers to customers’ needs in one central location
* Developed web-based application with a high volume of data from multiple sources
* Created intuitive interface with CSS and interactive Javascript to summarize big data in a meaningful and useful way

Web Developer 7/2009 – 7/2011

Design To Print, Saint George, UT

* Smarty templates/PHP wizardry
* Used Perl extensively to maintain customer data with millions of records
* Had the chance to design my own web framework
* Lone Ranger’d whole websites: front-end, back-end, CSS, javascript, PHP, MySQL, API calls, Third-Party service interfaces, you name it I was the only programmer on the case
* http://www.printershandbook.com

***Rails Developer* *1/2008 – 7/2009***

Upillar.com, Saint George, UT

* Instituted semantic web standards for our site and app. Wrote style guide for our template layouts and CSS stylesheets
* Redesigned our sites markup, moving away from tables to a cleaner, mostly semantic design
* Designed and built our server infrastructure. Purchased all the hardware (20 servers), installed operating systems (FreeBSD), and installed all the service and monitoring software (Ruby, Rails, Mongrel, MySQL, Memcached)
* Dove into yet another new programming language, Ruby, and framework, Rails, and quickly came up to speed and became a valuable contributor

***Software Engineer – Quality Assurance* *5/2006 – 12/2007***

Arcnous Inc., Campbell, CA

* Designed and implemented the company’s automated testing engine and framework – a browser-based metadata framework that allows a user to implement and execute automated test cases without the user of programming code. This product is used internally to fully validate the company’s flagship enterprise web application against an extensive set of requirements. It is also offered to Arcnous customers as a means of validating the product once a license is purchased.
* Evaluated Django as an environment for future products
* Co-implemented the intuitive UI for the above test framework
* Participated in development of company’s enterprise application in a bug-fix programming role

***Senior - Staff Customer Support* *1/2006 – 5/2006***

Unsanity, Saint George, UT

* Improved usability of web-based email client with dynamic Javascript, to decrease the time it took to answer emails and greatly increase responsiveness of support staff.
* Offered email support to customers for over 10 of the company’s consumer applications.
* Managed all aspects of the bug-fix process related to customer support calls

***System Integrator* *9/2000 – 10/2001, 8/2004 – 1/2006***

Stonefly Technology Inc., Saint George, UT

* Worked extensively on the development and maintenance of a J2EE rapid application development framework. This product is extensively metadata driven with extensive complex multi-language support.
* Conducted integration of remote real-time, solar powered weather and water level instrumentation with PostgreSQL and mySQL databases.
* Participated in an IVR (Interactive Voice Response) project that used Asterisk to provide an interface to irrigation data stored in a database.
* Built programs and systems relating to GPS and weather data logging devices using embedded Linux systems.

## Education

***Dixie State College 2000-2001, 2004-2006***

Saint George, UT

* In-major GPA: 3.72
* Placed 3rd in ACM-ICPC 2004 Rocky Mountain programming contest.