

Jeff Welch

Austin, TX

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Technology professional experienced in all aspects of planning, deploying, and maintaining large-scale systems. A diligent leader with a history of running successful projects in IT automation, web development, desktop software development, and systems administration.

Technical Skills

Operating Systems	GNU/Linux, macOS
Scripting Languages	Bourne, JavaScript, PHP, Python, Ruby
Programming Languages	C, C++, Objective-C
Automation Tools	Ansible, Autotools, AWS CloudFormation, Kickstart, Puppet, Serverless Framework
General Skills	<ul style="list-style-type: none">▶ Planning, deploying, and maintaining internationalized software and systems that support millions of users world-wide.▶ Designing secure, optimized, and modern systems that are backed by tried and true standards and practices.▶ Combining web, desktop, and server-side technologies in unique and innovating ways.

Open Source Experience

Personal Projects	https://www.github.com/whatthejeff/
Major Contributions	phpunit , phpunit-documentation , phpunit-mock-objects , php-code-coverage , php-test-helpers , phpunit-website , comparator , exporter , php-timer , phpspec , prophecy , phpspec2-site , google-api-php-client , Pimple
Notable Contributions	php-src , hhvm , xdebug

Professional Experience

Senior Software Engineer
Onnit Labs, Inc., Austin, TX

2018 - Current

Accomplishments:

- ▶ Transformed ad-hoc AWS infrastructure into a fully-automated CI/CD containerized solution.
- ▶ Improved performance at every layer of the stack, reducing the average pageload by ~3 seconds site-wide.
- ▶ Enabled highest traffic and best sales in company history by resolving latent scalability issues.
- ▶ Identified, remediated, and conducted postmortems of security incidents.

Technologies:

- ▶ AWS CloudFormation, AWS CodeBuild, AWS IAM, AWS KMS, AWS Lambda, AWS WAF, Amazon CloudFront, Amazon CloudWatch, Amazon EC2, Amazon ECR, Amazon ECS, Amazon EFS, Amazon ELB, Amazon ElastiCache, Amazon RDS, Amazon Route 53, Amazon S3, Amazon SES, Amazon SNS, Amazon SQS
- ▶ Bourne, C, Groovy, JavaScript, PHP, Python
- ▶ Ansible, Docker, Gnu Make, Jenkins, Serverless Framework, Webpack
- ▶ AWS SDK, Laravel, Lumen, Magento, Node.js, PHPUnit, Wordpress, Zend Framework

Accomplishments:

- ▶ Pioneered a new line of cross-platform, responsive design software that earned millions of dollars and created a number of new partnership opportunities.
- ▶ Created a software development framework that lowered the cost of developing and maintaining software company-wide.
- ▶ Grew our low-cost hosting solution to support over 100,000 sites with millions of uniques a day.
- ▶ Automated our IT infrastructure so that our entire solution could be deployed in a variety of environments using a single portable executable file.

Technologies:

- ▶ C++, Objective-C, Boost, cURL, Qt, STLSoft, wxWidgets, WebKit
- ▶ JavaScript, Node.js, Connect, Grunt, Chai, Mocha, PhantomJS, Sinon.JS, Less.js, Bootstrap, Foundation, Ink
- ▶ Fedora, Red Hat, CentOS, VirtualBox, Anaconda, Kickstart, RPM, PAM, Audit, SELinux, OpenSCAP, systemd
- ▶ Gnu Make, Puppet, Ansible, Capistrano, Zabbix, Tivoli, AutoDMG
- ▶ PHP, Symfony, Zend Framework, PHPUnit, AWS SDK, Python, PyUnit, nose, toolz, Ruby, Bourne

VP of Web Development

2007 - 2012

CoffeeCup Software, Inc., Atlanta, GA /
CoffeeCup Software, S.L., Avilés, Asturias ES

Accomplishments:

- ▶ Designed and implemented a full-stack, web framework that lead to increases in performance, stability, security, and reliability.
- ▶ Restructured internal infrastructure by integrating and updating all systems in a way that improved efficiency and effectiveness company-wide.
- ▶ Worked as a force of change in the company by introducing modern techniques and standards in a variety of areas including planning, testing, version control, quality assurance, deployment, and automation.

Technologies:

- ▶ PHP, GD, Gettext, PHPUnit, Mustache, Smarty, Xdebug, and integration with a number of frameworks and APIs.
- ▶ Python, PyUnit/nose, Sphinx, virtualenv etc.
- ▶ JavaScript, jQuery, Node.js
- ▶ Red Hat, CentOS, Apache httpd, Capistrano, Bash/Python/Ruby scripting
- ▶ Subversion/Git with Trac (including authoring a number of plugins and hooks)
- ▶ MySQL, PostgreSQL, Memcached, MongoDB, SQLite

Education Experience

Texas A&M University of Corpus Christi
Major: Computer Science
Minor: Business Administration
GPA: 3.5+

2003 - 2006

Recommendations

<https://www.linkedin.com/in/whatthejeff>