



Tyler Cipriani

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About

HOWDY! I'm Tyler. I believe in libre software that works for users to help empower a vibrant and thoughtful community.

EXPERIENCE

2015-02–Present

- **WIKIMEDIA FOUNDATION**—*Software Engineer*

- Led creation of deployment tooling ([scap](#)) that deploys changes for all software in production—including MediaWiki—to around 1,000 production servers
- Work as part of a cross-department team to migrate production microservices to a continuous deployment pipeline using Go, Docker, Minikube, and Kubernetes

Technology Linux Debian Python Git Puppet Jenkins Go Docker Kubernetes MediaWiki PHP

2013-11–2015-02

- **SPARKFUN ELECTRONICS**—*Web Developer/Systems Administrator*

- Created android-tablet, ReactJS-based shipping software
- Migrated important table logging from MongoDB to PostgreSQL-trigger audit trail

Technology Linux Debian PHP PostgreSQL Chef Git Nginx MongoDB Memcached Beanstalk Gearman Nagios Jenkins CasperJS PHPUnit jQuery QUnit Bootstrap Salt

2012-10–2013-11

- **UPSYNC**—*Web Developer/Systems Administrator*

- Developed features for mobile, offline MVC project with PHP 5.4, JavaScript, and Objective-C
- Built, monitored, and maintained load-balanced VPC CentOS-6-based LAMP stack on AWS

Technology Linux RedHat CentOS AWS PHP MySQL XCode/Objective-C Subversion Nagios Cacti WebSQL AMD.js Backbone D3 jQuery

2009-07–2012-10

- **CUSTOM CHANNELS**—*Director of Technology*

- Built and maintained Linux (CentOS and Ubuntu) Xen-based VPS machines for file storage, streaming media, and web applications
- Developed, designed, and architected internal and customer-facing MVC web services to stream music and manage a playlist of songs

Technology Linux Xen Ubuntu CentOS Perl Wordpress MySQL IceCast OPML Git Nagios Prototype Bootstrap

PROJECTS

- [Scap](#)—Wikimedia foundation's deployment software.
- [Keyholder](#)—Python3 ssh-agent proxy. I wrote about [Keyholder](#) on the Wikimedia Foundation blog.
- [JenkHub](#)—Ruby daemon to connect SparkFun's internal Jenkins server with our GitHub hosted repository.
- [~/dotfiles](#)—My dotfiles became a personal archive several years ago. This repository keeps my configuration and scripts, serves my blog, and holds all my photos.