

Carl Harris Myers

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SUMMARY

As a staff/principal software engineer with 20 years of industry experience, I am passionate about building organizations, tools, and workflows that multiply productivity and delight developers freeing them to focus on products that delight customers.

NOTE: I am open to remote roles only for the foreseeable future. This is an abbreviated resume to fit on two pages. An extended version is available at <http://cmyers.org/resume/resume-full.pdf>

EXPERIENCE

Indeed, Inc. – Austin, TX and Remote
Staff Software Engineer, SMB Platform

January 2020 – Present

- Helped drive company-wide effort to move projects to push-on-green. Succeeded in meeting OKRs by driving rate of push-on-green deployed tickets from 40 90
- Planned and executed project to enable a large legacy backend service to use push-on-green, which required measuring and improving test coverage, enabling use of hermetic integration testing via an in-house tool built on top of Kubernetes, streamlining the deployment pipeline, and overcoming both social and technical hurdles.
- Assisted in training and mentoring by contributing to some documentation and presentations around the push-on-green effort. Was the sole contributor in other training like the Test Reliability Playbook and related efforts to improve test reliability across SMB and the company as a whole.

Cloudera, Inc. – Palo Alto, CA and Austin, TX
Build and Release Engineer (IC4)

May 2016 – January 2020

- Solely responsible for writing, testing, and deploying several features for the Automated Review Tool (ART) which launched tiered test runs for developer submitted code reviews. ART is a Python Flask application.
- In support of a migration to a Docker based build system, rewrote build and test code to deliver more reliable and developer friendly builds.
- Migrated 30+ independent component teams to a new commit workflow and implemented new build and test code wherever necessary. Significantly improved build stability and reduced developer roadblocks due to broken builds.
- Regarded as company-wide Git expert and defacto owner of all Git services.

PernixData, Inc. – San Jose, CA
Tools Engineer

June 2015 – May 2016

- Sole developer in the migration from a legacy Git server to Atlassian Bitbucket Server.
- Sole developer of several additional plugins for the Atlassian ecosystem. See open source section below, source available.

Palantir Technologies, Inc. – Palo Alto, CA
Software Engineer, Internal Tools Team

April 2009 – June 2015

- Exclusively led the migration of company-wide source control from Subversion to Git which delivered a build system that guaranteed build stability and enabled automated code testing.
- As primary developer, wrote and maintained several plugins for the Atlassian ecosystem. By 2015, over 500 projects were building using Stashbot, one such example on which I was the sole developer.
- Provided scaled support that facilitated the exponential expansion of the company as they grew from 200 to over 1000 employees.

Amazon.com – Seattle, WA
SDE, Multiple Teams

March, 2006 – January, 2009

- Helped support the build system which enforced unrivaled reproducibility, consistency, and dependency management.
- Performed porting and developed porting tools to assist in the migration to updated versions of Redhat Enterprise Linux, including 64-bit, saving the company over \$20M during a single year's Q4 scaling.
- Designed and implemented a distributed application which allowed internal customers to view logs for the build system to assist in debugging.

EDUCATION

Purdue University, Lafayette, IN

- Graduated in December of 2005 with a Bachelors degree in Electrical and Computer Engineering.

PROGRAMMING AND TECHNOLOGY EXPERTISE

- Git: 9 / 10, over 10 years experience, extremely proficient (GitHub, Gerrit, Stash/Bitbucket, Git Internals, other SCM)
- Debian/Ubuntu Linux: 8 / 10, many years experience
- Java: 8 / 10, over 10 years experience (including some Java 8/9 features)
- Infosec: 8/10, over 10 years experience (including networking, custom firewall design, encryption, crypto currency as a user, designing security-first services, threat modeling)
- Python: 6 / 10, 6 years experience (including some Python 3 features)
- Ruby: 5 / 10, 4 years experience
- Perl: 5 / 10, 3 years experience
- C++: 5 / 10, 3 years experience
- I am fluent Bash/Zsh, SQL, Gradle, Maven, Make, Centos/Redhat Linux, and interested in learning Golang or Rust
- **What do I mean by these numbers? Read more on my blog:**
<https://git.io/fjb0f>

OPEN SOURCE WORK

Atlassian Bitbucket Server Plugin: Stashbot

<https://github.com/terabyte/stashbot>

Primary Author

Atlassian Bitbucket Server Plugin: Codesearch

<https://github.com/terabyte/stash-codesearch-plugin>

Primary Author

QBT - QBT Build Tool

<http://qbtbuildtool.com>

Core Developer