

Carl Harris Myers

Austin, TX • (206) 931-9916 • cmyers@cmyers.org • <https://cmyers.org>

OBJECTIVE As a senior/principal software engineer with over 15 years of industry experience, I want to be a force multiplier by driving architecture and workflows in large scale systems which delight other developers and result in significant value.

NOTE: I am open to opportunities in the Austin, TX area or remote roles. This is an extended resume with complete work history. An abbreviated two-page version is available at <http://cmyers.org/resume/resume-short.pdf>

EXPERIENCE **Cloudera, Inc.** – Palo Alto, CA and Austin, TX
Build and Release Engineer (IC4) **May 2016 – Present**

- Contributed meaningfully to Automated Review Tool (ART) which launched tiered test runs for developer submitted code reviews. ART ensures a successful build for each proposed change, and upon completion runs increasingly comprehensive tiers of test execution. ART is implemented in Python.
- Through migration to a Docker based build system, delivered more reliable and developer friendly builds. The end result achieved cost savings and decreased maintenance burden. Backported system to legacy branches as well. The polyglot stack included Python, Java, C++, and others in the Hadoop ecosystem.
- Significantly improved build stability and reduced developer roadblocks due to broken builds by implementing, and driving adoption of, a new commit workflow. Before merging changes, the system vetted all developer commits by running unit tests, an additional full stack build, and later tiered integration test runs, supplementing code reviews.
- Supported the cloud spend task force to reduce the company's cloud-related costs for compute and storage resources, achieving an annual savings of seven figures.
- As part of on-call rotation, supported all developer workflows and product branching/releases by resolving hundreds of tickets impacting individuals across the company.
- Drove recruiting activities including resume reviews, phone screens, and in-person interviews to expand the team.

PernixData, Inc. – San Jose, CA
Tools Engineer **June 2015 – May 2016**

- Drove the migration from a legacy Git server to Atlassian Bitbucket Server.
- Wrote and maintained several additional plugins for the Atlassian ecosystem. See open source section below, source available.
- Maintained legacy build systems while contributing to new build systems.
- Performed releases and branching activities.
- Produced a fix tracking tool called the Entomologizer.

Palantir Technologies, Inc. – Palo Alto, CA
Software Engineer, Internal Tools Team **April 2009 – June 2015**

- Drove 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. Palantir realized significant gains in productivity and quality.
- Wrote and maintained several plugins for the Atlassian ecosystem. Delivered reduced support burden by enabling self-service access to the build system for all projects in the company. See open source section below, source available. By 2015, over 500 projects were building using Stashbot, one such example.
- As the first and most tenured engineer on the ITOOLS team, provided scaled support through guidance, best practices, customized tools, just-in-time solutions, and proactive recommendations that decreased the support burden and facilitated the exponential expansion of the company as they grew from 200 to over 1000 employees.
- Evaluated new talent through on-site and phone interviews to directly contribute to the growth and success of the ITOOLS team. I directly contributed to the hire of every new employee on the ITOOLS team and performed over 200 interviews.

Amazon.com – Seattle, WA

SDE, Multiple Teams

March, 2006 – January, 2009

- As project tech lead, worked on a localization tool which improved turn around times and reduced costs for string translation.
- Helped maintain and support a complex build system used by over 2000 developers which enforced unrivaled reproducibility, consistency, and dependency management. The tool regularly built a codebase which exceeded 200GB and 8 million files, split across more than 13,000 discrete packages.
- As primary owner of the source control repository for the company, migrated to new hardware, upgraded software, and ensured backups were functioning.
- Designed and implemented a distributed application which allowed internal customers to view logs for the build system to assist in debugging.
- 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 20 million dollars during a single year's Q4 scaling.
- Contributed to the Environment Improvement Ninjas, a skunkworks project where I used personal time to write tools to improve developer productivity. The Environment Improvement tools are, to the best of my knowledge, still used by almost every developer at Amazon today.
- Evaluated newly-sourced talent through college recruiting, on-site interviews, and phone interviews.

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, 9 years experience, extremely proficient (Github, Gerrit, Stash/Bitbucket, Git Internals, other SCM)
- Java: 8 / 10, 10 years experience (including some Java 8/9 features)
- Python: 6 / 10, 4 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
- Bash/Zsh: 5 / 10, many years experience
- SQL (MySQL, PostgreSQL, Oracle): 3 / 10, many years experience
- Gradle: 5 / 10, many years experience
- Maven: 5 / 10, many years experience
- GNU Make: 5 / 10, many years experience
- Debian/Ubuntu Linux: 8 / 10, many years experience
- Centos/Redhat Linux: 5 / 10, many years experience
- Golang: 1 / 10, interested in learning more!
- Rust: 1 / 10, interested in learning more!
- **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
	Atlassian Bitbucket Server Plugin: Disapproval Plugin https://github.com/terabyte/stash-disapproval-plugin	Primary Author

INTERESTS Open Source Software, Epistemology, Classical Music, Orchestral Cello, Scientific Pursuits, Poker, Video Games

REFERENCES Available upon request