

Adam McCullough

Dedicated to ensuring engineering excellence to deliver customer value

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Experience

Facebook, Menlo Park, CA— *Production Engineer*

March 2018-July 2019

Work as an embedded Production Engineer on the Feed And Stories Team. Identify and resolve service quality events. Evaluate and push the C++ binary responsible for ranking Facebook's newsfeed, spotting and resolving performance and stability regressions in the latest build. Work cross-functionally to run ASAN and canary tests for each code change.

IMVU, Redwood City, CA— *Software Engineer I*

November 2016-September 2017

Fix, improve, and update a diverse codebase, primarily PHP and Haskell. Work with other teams to extend the site to meet new requirements, up to and including refactoring and re-writing major features. Work with the Ops team to identify and resolve service quality issues. Identify causes of trouble and effective solutions.

IMVU, Redwood City, CA — *Systems Engineer II*

June 2013-November 2016

Carry a pager. Troubleshoot and resolve prod issues quickly to ensure customer satisfaction and service quality. Maintain and support the production cluster, including Memcache, Redis, MySQL, Apache running PHP, Nginx, HAProxy, as well as static Haskell binaries. Use CFAgent to provision and maintain production hardware configuration. Postmortem service quality incidents, identify root causes, then identify and implement follow-up fixes.

SMART Storage Solutions, Chandler, AZ— *Software Engineering Intern*

August 2009-February 2013

Develop hard drive test software. Design and develop a test suite for the backplanes used to test said drives. Refactor a drive erase program and expand functionality for customers. Assist in running and developing a flash characterization test/burn-in procedure using both hardware, embedded firmware, and software written in the .NET framework.

Education

Arizona State University, Tempe, AZ— *Computer Systems Engineering*

August 2007-May 2013

Skills

Analytical and Resourceful

Quick learner, self-starter

Solution seeker

Passion for Programming
and Engineering

Accomplished in trouble-
shooting root causes to
customer impact

Linux Administration

Achievements

Speaker - LambdaConf 2017

Lambda Calculus for the
Easily Confused

Speaker - LambdaConf 2018
Monad Transformers for the
Easily Confused

Speaker - LambdaConf 2019
Rust's Borrow Checker
Proven Correct

**Organized and ran a Haskell
class at IMVU, 2016**

**President - ASU Linux Users
Group 08/2010-08/2012**

**Ham Radio - Amateur Extra
license, callsign AG7YC**

Languages

Perl, Python, Golang, PHP,
Haskell, C/C++, Java, and
Bash.