

SUMMARY

Site Reliability Engineer particularly interested in **failure analysis**, **security**, and **performance**, and, most importantly, the **human aspect** of each of these. Obsessed with high-quality technical documentation. Loves teaching and mentorship. Top 0.5% user on Stack Overflow, Server Fault, and Information Security Stack Exchange. Wants to grow and mature SRE at your company.

PROFESSIONAL EXPERIENCE

WePay

Staff Site Reliability Engineer

May 2021 – present

Identify and address org-wide technology, process, and people problems.

Manager, Embedded Site Reliability Engineering

March 2020 – May 2021

Provide a first line of time defense for the team. Work with other engineering and product leads to plan projects.

Senior Site Reliability Engineer

February 2017 – March 2020

Embed within an application team to provide a close reliability partner.

Zoox

DevOps Engineer

December 2015 – February 2017

Introduce operations practices and tools into a rapidly growing autonomous vehicle company. Work on a wide range of tasks, including web development (Flask, Pyramid, custom C++, custom Python), build systems (Bazel), an in-house deploy application, operations for several dozen applications, network security, AWS user support, software documentation, and organization-wide standards.

reddit, Inc.

Software Engineer

August 2014 – December 2015

One of half a dozen engineers responsible for user-facing features on reddit.com, a site with over 200 million monthly active users. Fixed many bugs and annoyances that had been present for years. Built relationships with third-party add-on developers and community moderators. Implemented an A/B testing framework, a new comment sort and display algorithm, one of the most well-received features in site history (non-silent sidewise bans), and an expanded image preview system used by mobile web and third-party apps. Constantly refactored, documented, and added tests. Most work available for perusal at <https://github.com/reddit-archive/reddit/commits?author=xiongchiamiov>.

iFixit

Web Operations Lead Engineer

June 2012 – August 2014

DevOps Engineering Intern

March 2011 – June 2012

Implemented caching system that prevents previously-frequent media-induced downtimes. Implemented and champion application monitoring, leading to improvements in performance, stability, and user experience. Wrote alerting system that gives developers direct access to failure reports. Kickstarted thriving internal high-level documentation project. Improved startup time of application servers from 15 minutes with 25% failures to <5 minutes with no failures.

XYZ Textbooks

Web Programmer / Sysadmin

June 2008 – March 2011

Cal Poly

Web Developer

July 2008 – November 2008

EDUCATION

California Polytechnic University, San Luis Obispo, California

B.S of Software Engineering

September 2007 – May 2012

SKILLS / KEYWORDS

Linux: Red Hat family (CentOS), Arch Linux, Debian family (Ubuntu, Debian)

Monitoring/Alerting: Sensu, Graphite, StatsD, pipe-to-graphite, collectd

Scripting: Bash and utils (sed, awk, grep), Python, Ruby

Backend: Python (Django, Flask, Pyramid), PHP (Symfony, custom), Ruby (Sinatra)

Databases: MySQL, PostgreSQL, SQLite, Cassandra

Web Application servers/proxies: Varnish, Apache, HAProxy, Nginx, Tomcat, uWSGI

Version control systems: Git, Mercurial, Subversion

Misc: Amazon Web Services, Google Cloud, Kubernetes, Docker, Ansible, Gearman, beanstalkd