JAMES PEARSON HUGHES

hireme@mail.changedmy.name
https://github.com/xiongchiamiov

SUMMARY

Engineering leader focused on buffing the org. You'll often find me writing strategy or building a learning-centered environment. Work broadly across operations, development, management, and product management, and will jump into whatever the team needs at the moment.

PROFESSIONAL EXPERIENCE

Winnie

Staff Site Reliability Engineer — **February 2022 – current**

Role originator and owner of infrastructure, platform, pipeline, and security; defining vision and multi-year strategy and prioritizing backlog of tech debt.

Reporting to the VP Eng and working across all teams to identify duplicate work, address architectural problems, and build a collaborative culture of learning and improvement.

Member of eng managers meeting and substituted for a manager on parental leave.

Key technologies: AWS, Python, Pulumi, Github Actions

WePay (acquired by JPMorgan Chase)

Sr Staff Site Reliability Engineer — **May 2021 – February 2022**

Identified and addressed org-wide technology, process, and people problems. Recognized common origins of different problems and extracted them into strategic projects. Sponsored under-leveled engineers. Served at the pleasure of the Senior Director of DevOps.

Owner of and interviewer trainer for SRE interview module. Active member of hiring committee, making leveling and hiring decisions for all of engineering.

Manager, Site Reliability Engineering — **March 2020 – May 2021**

Provided a first line of time defense for the team. Worked with other engineering and product leads to plan and prioritize projects.

Senior Site Reliability Engineer — **February 2017 – March 2020**

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

Key technologies: GCP, Kubernetes, Ansible, Sensu

Zoox

DevOps Engineer — **December 2015 – February 2017**

Introduced operations practices and tools into a rapidly growing autonomous vehicle company. Worked 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

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 sidewide 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 championed 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

SKILLS / KEYWORDS

Cloud Computing: Amazon Web Services (AWS), Google Cloud Platform (GCP)
Containers: Kubernetes, Docker Desktop/Compose, Amazon ECS
Infrastructure as Code: Ansible, Pulumi
CI/CD: Github Actions, Teamcity, Jenkins
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, Redis, PostgreSQL, SQLite, DynamoDB, Cassandra
Web Application servers/proxies: Varnish, Apache, HAProxy, Nginx, Tomcat, uWSGI
Version control systems: Git, Mercurial, Subversion
Queueing/Messaging: Gearman, Kafka, RabbitMQ, beanstalkd