

Joshua Powers

✉ powersj@fastmail.com | 🏠 powersj.io | 🌐 powersj | 📧 powersj

Summary

Software developer with over a decade of experience focused on Linux, open source development, clouds, and containers. Owns challenges and uncertainty, organizes to reduce chaos, communicates to drive clarity, and delivers results.

Experience

InfluxData

Remote

SENIOR ENGINEER

Sep 2021 - Current

- Maintainer of the open source Go project Telegraf - an agent for collecting, parsing, transforming, and sending metrics and events from containers, servers, databases, IoT sensors, etc. to a variety of destination output databases and services
- Put in place a daily community triage process to respond to new issues and PRs in a timely, responsive manner, which led to over 50% reduction in open issues, increased community involvement and contributions, and demonstrated a commitment to users
- Promote the project's health via automation and processes, respond and react to CVE notifications and security questions and automate integration, fuzz, and other testing for additional project scrutiny
- Create content via blog posts, short videos, as well as formal classroom training materials to share new features, educate new and experienced users alike, and generate promotion for the project

Canonical Ltd.

Remote

SENIOR ENGINEER

May 2020 - Aug 2021

- Led the production of Ubuntu cloud images across worldwide major cloud vendors. Specifically, responsible for all engineering interaction and deliverables with Google Cloud including Google Compute Engine (GCE), Google Kubernetes Engine (GKE), and Anthos.
- Engineered new automation for delivery of new cloud features and releases, including educating and advising partners on best practices. Ensured timely delivery of critical security CVE updates and fixes for images, while monitoring and enhancing the health of the build process and outputs.

ENGINEERING MANAGER

Sep 2018 - May 2020

- Led and grew the worldwide remote team delivering Ubuntu Server, the number one cloud operating system.
- Proposed and maintained release roadmap of new features and objectives, generated and reviewed specifications of features, and conducted code reviews to ensure completed goals.
- Streamlined the user experience of services on Ubuntu systems by leading the creation of a new supported service tool and premium Ubuntu cloud images.
- Established data-driven decisions through the development of metric collection methodologies to track specific key performance indicators in order to guide future investments by company leadership.

QA ENGINEER

Jul 2016 - Sep 2018

- Implemented automated CI and merge review system, setup daily software builds, and wrote integration test framework and test cases for software using containers and cloud deployments.
- Started daily team bug triage process, tooling to review incoming reports for validity and reproducibility, and responses to ensure feedback.

Hewlett Packard Enterprise

Fort Collins, Colorado

SENIOR SOFTWARE ENGINEER

Feb 2014 - Jun 2016

- Enhanced product security and reduced duplicate efforts across the company through the rapid development of HP's own Debian-derivative operating system.

SOFTWARE ENGINEER

Jun 2007 - Feb 2014

- Initiated performance characterization testing methodology and qualified the latest I/O technologies to ensure performance across HP's next-generation mission-critical and enterprise servers.
- Conceived automated smoke, integration, and scale tests to run against new product API to reduce development delays and meet quality goals.

Education

Georgia Institute of Technology

MASTER OF SCIENCE IN COMPUTER SCIENCE (3.90/4.00 GPA)

Remote

Jan 2014 - May 2016

Colorado State University

BACHELOR OF ARTS AND SCIENCES IN ECONOMICS AND APPLIED COMPUTING TECHNOLOGY (3.55/4.00 GPA)

Fort Collins, Colorado

2005 - 2009

Projects

- [powersj.io](#)— Personal blog and website where I write about projects I work on and share my own learnings
- [whatsthis](#)— Go CLI and library to determine if a system is running in a cloud or a container, and hardware the system reports. Used this project to teach myself Go and ecosystem.
- [imgchroot](#)— Go CLI to quickly customize cloud images in a chroot without the need to boot the image or setup a user on the image with credentials
- [gograveyard](#)— Still in its early stages, the project has the goal of analyzing a Go project's health based on the state of dependencies, open issues, and PRs