# Joshua **Powers**

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## **Exp**erience

### Public Cloud Senior Engineer
*Remote*

CANONICAL LTD.                                                                   *May 2020 - Current*

- Drive the production of Ubuntu cloud images across Amazon Web Services, Microsoft Azure, Google Cloud, IBM Cloud, and Oracle Cloud. Specifically, responsible for all engineering interaction and deliverables with Google Cloud including Google Compute Engine (GCE), Google Kubernetes Engine (GKE), and Anthos Multi-Cloud
- Engineer new automation for delivery of new cloud features and releases. Including educating and advising partners on best practices.
- Ensure timely delivery of critical security CVE updates and fixes for images. Monitor and enhance the health of the build process and deliverables.
- Work directly with the community to resolve issues, answer questions, and share new features

### Ubuntu Server Engineering Manager
*Remote*

CANONICAL LTD.                                                                   *Sep 2018 - May 2020*

- Lead the worldwide remote team delivering Ubuntu Server, the number one cloud operating system
- Propose release roadmap of new features and deliverables, generate and review specifications of features, and conduct code reviews to ensure complete deliverables.
- Streamline the user experience of services on Ubuntu systems by leading the creation of a new supported service tool and premium Ubuntu cloud images. Plan and coordinate the development and release across engineering, operations, and marketing.
- Make 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
- Foster partner engagement with AWS, Azure, GCE, Oracle Cloud, and other clouds by organizing and directing a yearly cloud-init summit. Presented the previous year's status, collected feedback, and guided project decisions for the coming year. Have additional touchpoints with clouds throughout the year and to manage requests and issues.

### Ubuntu Server Software Developer
*Remote*

CANONICAL LTD.                                                                   *Jul 2016 - Sep 2018*

- Setup automated CI system and merge review system, daily builds, and integration tests using AWS, LXD, and KVM for cloud-init and curtin software projects
- To quickly respond to a multitude of daily bug reports across dozens of source packages, established daily team bug triage process, tooling to review incoming reports for validity and reproducibility, and responses to ensure feedback
- Drove efforts to increase the quality of the distribution, communicated and filed mass bug reports against packages with opportunities for automated testing to foster community contributions
- Configure automated testing and ensured sleek user experience of new Ubuntu Server ISO mechanism and extended testing to cover additional architecture

### Linux Distribution and Quality Lead
*Fort Collins, Colorado*

HEWLETT PACKARD ENTERPRISE                                                        *Feb 2014 - Jun 2016*

- Enhanced product security and reduce duplicated efforts across the company, by driving the architecture of a Debian derivative distribution
- Coordinated efforts between development, support, security, and QA teams and on-boarded additional products and teams for the adoption of the distribution
- Distribution was adopted across both shipping and experimental products throughout the company

### Software Quality Development Lead
*Fort Collins, Colorado*

HEWLETT PACKARD COMPANY                                                           *Jul 2012 - Feb 2014*

To reduce development delays and meet quality goals designed and implemented automated smoke, integration, and scale tests to run against a product API

### Linux I/O Software Developer
*Fort Collins, Colorado*

HEWLETT PACKARD COMPANY                                                           *Jun 2007 - Jul 2012*

Qualified the latest I/O technologies and ensure performance across scale, developed performance characterization testing methodology, which measures how network and storage I/O performed on HP's next-generation mission-critical and enterprise servers, storage, and networking technologies

## Education

**Georgia Institute of Technology**                                                                                      *Remote*

Master of Science in Computer Science (3.90/4.00 GPA)                                                      *Jan 2014 - May 2016*

**Colorado State University**                                                                         *Fort Collins, Colorado*

Bachelor of Arts and Sciences in Economics and Applied Computing Technology (3.55/4.00 GPA)                    *2005 - 2009*