Distributed Systems Software Engineer, Python / Go

Apply Now

Company: Canonical

Location: Saudi Arabia

Category: computer-and-mathematical

We are seeking a software engineer with a passion for building and validating resilient distributed systems. At Canonical you can build a career and drive the success of those leveraging Canonical's Ubuntu and Juju to build multi-cloud deployable cloud applications.

We see quality engineering as a first class engineering practice and are looking for people who can bring deep engineering insights and a data driven approach to test automation, reporting and data analytics.

The Distributed Systems testing team at Canonical is responsible for ensuring the high quality of Canonical's Cloud solutions based on Juju, Terraform, OpenStack, Kubernetes when deployed under highly diverse conditions, from bare metal in customer data centers to public clouds like AWS, GCE, Azure.

As a software engineer you will have the opportunity to develop CI pipelines which power Canonical's cloud integration testing and reporting. Upcoming initiatives you will have the opportunity to contribute to include expanding deployment capabilities to new clouds and developing AI/ML pipelines for automatic analysis of test results. A successful candidate is interested in tackling these problems, as well as imagining and leading new initiatives within the team and across Canonical.

Location:*this is a Globally remote role*

What your day will look like

Create automated testing approaches and infrastructure for validating reliability, performance, and resilience of cloud orchestration tools and applications

Enable engineering teams across Canonical to develop software with confidence by making distributed system testing tooling available across the company

Enhance continuous integration pipelines for deploying and testing Canonical's cloud native products such as Kubeflow

Deploy, manage, and debug highly distributed systems

Monitor and report on automated testing efforts

Collaborate daily with a globally distributed team

What we are looking for in you

Solid background in modern test processes and strategies

Experience with Python or Go development

Strong object oriented development skills

Ability to develop and ship production grade modern web applications

Working knowledge of continuous integration tools such as Jenkins, CircleCI, GitHub CI

Knowledge of networking technologies and fundamentals

Solid understanding of Linux system architecture

A capacity for complex abstract thinking

Capability for 2-4 weeks of international travel travel per year

Additional skills that you might also bring

- Collecting and analyzing large multidimensional datasets

- Operating data platforms: key-value stores, relational or document databases, event buses

- Work with cloud technologies such as OpenStack, Kubernetes, Terraform and AWS

- Developing AI/ML pipelines

What we offer you

We consider geographical location, experience, and performance in shaping compensation worldwide. We revisit compensation annually (and more often for graduates and associates) to ensure we recognise outstanding performance. In addition to base pay, we offer a performance-driven annual bonus. We provide all team members with additional benefits, which reflect our values and ideals. We balance our programs to meet local needs and ensure fairness globally.

- Distributed work environment with twice-yearly team sprints in person - we've been working remotely since 2004!

- Personal learning and development budget of USD 2,000 per year

- Annual compensation review

- Recognition rewards

- Annual holiday leave

- Maternity and paternity leave

- Employee Assistance Programme

- Opportunity to travel to new locations to meet colleagues from your team and others

Priority Pass for travel and travel upgrades for long haul company events

Canonical believes a diverse workforce enhances our ability to deliver world class software and services which meet the world's computing needs. We are committed to ensuring equal employment opportunities to all qualified individuals. All qualified applicants will receive consideration for employment without regard to race, color, religion, gender, gender identity or expression, sexual orientation, national origin, genetics, disability, age, or veteran status.

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