Quality Engineering internship- Migration Engineering

Job Summary

The Red Hat Quality Engineering (QE) team is looking for an intern with some experience in Kubernetes and Go to join us in Pune, India. In this role, you will work with a group of talented software engineers and contributors across the globe. You will be working on inter-product solutions, including Red Hat's OpenShift Container Platform, built on container technology and the Kubernetes cluster management system, Openshift Virtualization, Red Hat Virtualization, OpenStack, Software Defined storage solutions as Ceph, engaging with different cloud providers - Enabling customers to Migrate to state of the art Red Hat solutions and Modernize their infrastructures and workloads. You'll work on new features and address existing defects and bugs in an assigned project. You'll also expand, automate, and streamline our build and release pipeline using modern technologies like containerization. This long-term internship will give you the opportunity to gain in-depth knowledge about Red Hat's business and the open source culture.

Primary Job Responsibilities

- Learn about software quality engineering efforts
- Research the functionality of our offerings
- Develop automated test scenarios in GO
- Implement Enhancements of CI/CD and automation infrastructure frameworks
- Run manual tests and execute automated test cases
- Debug complicated software problems
- Perform maintenance of automated tests and frameworks
- Test and write accurate Bug reports.
- Participate in upstream communities

Required Skills

- Bachelor's degree in computer science or related field.
- Background in Linux
- GO or any equivalent language programming skills; understanding of object-oriented programming (OOP) concepts
- Excellent debugging, troubleshooting, and analytical skills
- Excellent written and verbal communication skills in English
- Ability to work in a fast-paced environment
- Passion and desire for testing and examining how things work internally

The following are considered a plus:

- Familiarity with containers and container orchestration tools like Red Hat OpenShift and Kubernetes
- Familiarity with virtualization, storage, or networking
- Familiarity with continuous integration (CI)
- Knowledge of using standard tools for development on Linux, e.g. Git is a plus
- Experience working with upstream projects

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