

SRE Interns Job Description

Red Hat is seeking an intern or co-op Site Reliability Engineer (SRE) to develop, scale, and operate our OpenShift managed cloud services.

OpenShift is Red Hat's enterprise Kubernetes distribution. As an SRE you will contribute to running OpenShift at scale by enabling customer self-service, making our monitoring system more sustainable, and eliminating work through automation.

On the SRE team, you will have the opportunity to influence the complex challenges of scale which are unique to Red Hat managed cloud services, while using your skills in coding, operations, and large-scale distributed system design.

Red Hat relies on teamwork and openness for its success. We are a global team and strive to cultivate a transparent environment that makes room for different voices. We learn from our failures in a blameless environment to support the continuous improvement of the team. At Red Hat, your individual contributions have more visibility than most large companies, and visibility means career opportunities and growth.

What you will do

The day-to-day responsibilities of an SRE involve working with live systems and coding automation. As an SRE you will be expected to:

- Contribute code to increase the scalability and reliability of the service
- Contribute software tests and participate in peer review to increase the quality of our codebase
- Actively participate in knowledge sharing and collaboration
- Work within a small agile team to develop and improve SRE software, support your peers, plan and self-improve

What you will bring

You must have some experience programming in at least one of these languages: Python, Golang, Java, C, C++ or another object-oriented language. You must also have the ability to collaboratively troubleshoot and solve problems in a team setting.

As an SRE you will be most successful if you have some experience working with public clouds such as AWS, GCP, or Azure. Direct experience with Kubernetes or OpenShift is a plus. We like to see a demonstrated ability to debug, optimize code and automate routine tasks. We are Red Hat, so a basic understanding of Unix/Linux operating systems is ideal.

Desired skills

- Solid foundation in a programming language. Previous code contributions to open source projects or code samples on GitHub helps demonstrate your ability.
- Basic understanding of public cloud technologies

- Basic understanding of Kubernetes
- Demonstrated ability to accurately troubleshoot issues