

RELEASE AND QA ENGINEER



We are looking for a Release and QA Engineer that helps us to professionalize our current processes and tools. At the moment both QA and release management is handled by the Search Guard developers. The ideal candidate would completely own the position and work together with the team and the CTO to streamline and automate all processes. The position offers a high level of freedom and responsibility.

— CHALLENGES —

Integration Tests

You work on continuously improving the Search Guard integration tests. The tests are Docker based and run on the CircleCI continuous integration platform. For Search Guard the tests are written in Bash since this is the preferred way of using Elasticsearch. For Kibana we use Selenium and our own Java based test framework. Both is open for debate and you have the chance to implement your own ideas and proposals.

Unit Tests

Our JUnit based unit tests currently run on a nightly basis on the CircleCI continuous integration platform. You are working on improving the test schedules and the test reports to make sure all releases are properly tested.

Performance Tests

The performance tests are running on AWS via Terraform. They are executed manually on a case-by-case basis. You are working on integrating the performance tests into the QA and release cycle and to automate them. You make sure they run on a regular basis and provide reports about the current performance. You are implementing release safeguards if there are any significant performance deviations.

Security tests

You work on and monitor the security static code analysis we run regularly on the Veracode platform. You detect any security issues and report them back to the team, or mitigate them yourself.

Test documentation

While working on improving the tests you make sure that the test documentation stays up-to-date so we can detect any features that are insufficiently tested early on.

Release management

You are working on automating the Search Guard releases and make sure that each release is sufficiently tested before it is published. You keep the Search Guard change logs up to date and announce new releases on various channels like our Google Group, twitter or facebook. You prepare snapshots and hot fixes for customers if they experience any issues.

User documentation

User documentation is a combined effort at Search Guard. You will contribute to the documentation and help to maintain and improve the quality.

— WHAT YOU SHOULD BRING TO THE TABLE

Ideally you already have knowledge in some of the following topics:

- ✓ Testautomation and documentation
- ✓ QA processes and best practices
- ✓ Release management and continuous integration
- ✓ DevOps in general and automated processes in particular
- ✓ (Bash) scripting
- ✓ Selenium / WebDriver
- ✓ JUnit and JUnit reports
- ✓ Maven and maven release processes
- ✓ Docker and docker compose
- ✓ Docker related technologies like Kubernetes or DC/OS
- ✓ AWS and terraform

— HOW WE WORK

We are result-oriented: We care more about the quality and result of your work than about how many hours you spent working on it. We are a small team, so you have the chance to also contribute to other areas and learn new stuff. We are passionate and focused and don't shy away from bold decisions.

Since our team is spread around the globe, you should be comfortable working in our headquarters in Berlin, but also with working remotely. We have a global customer base, including many of the tech giants, so you have a chance to work with them and with our international business partners.