**QA Automation Engineer**

As **a** **QA Automation Engineer** you will be responsible for **setting up env**, **deploy new products**, **manage our infrastructure**, **automate processes** and suggest solutions to problems. You will work with the team to help **setup and maintain tools** and **test frameworks**. You will help with leading strategies for **performance**, **scalability.**

**Responsibilities**

* Responsible for setting up **test environment** and **automation jobs**.
* Manage **continuous integration and continuous delivery pipeline** to deliver maximum efficiency.
* Monitor metrics and develop ways to improve.
* Experience with SDLC including unit tests, code management and **build tools (Maven, SBT)**, **code management tools (Bitbucket**) and **deployment tools (Jenkins)**
* Hands-on skillset with **RESTful API development and/or testing**
* Strong experience developing **Browser** **automation frameworks** using Java/SoupUI/**Selenium**/Cypress
* Hands on experience with **performance and load testing** using tool like Gatling, LoadRunner
* Real-world experience with continuous integration and delivery **using public cloud** such as AWS, Azure or GCP and container technologies such as Docker is required
* building **a flexible and scalable automation solution**
* **testing distributed systems**
* SaaS security infrastructure
* database internals and query processing
* network security
* Cloud platforms AWS
* how cloud application works
* cloud technologies
* need to know about linux as software engineer in testing
  + Development and execution of **load, scalability** tests
  + Development of **testing tools/frameworks** used for product validation

Experience with a variety of testing tools: **selenium, jmeter, pytest, testing**

* Develop comprehensive **test plans** for new features and functions in the SurveyMonkey platform as they are planned and released
* Work through and **execute manual and automated test runs** according to the test plan prior to each release
* Author automation tests for **SurveyMonkey web applications and services**
* Advance our efforts with **continuous integration & automated regression testing**
* automation experience in the **testing of API**, **big data using complex queries**.
  + Strong SQL experience including **complex query design**, and experience working with **Big Data**.
* As a hands-on Sr. SDET, you will make a large impact on dynamic, fast moving Amazon businesses by
* improving Alexa's efficiency and approach to testing. Working backwards from customer needs, you
* will identify the right sets of tools to build to achieve the best quality and customer experience. You
* will **lead test automation efforts** for critical and complex technical projects spanning multiple service
* teams and Amazon businesses. You will be responsible for **driving improvements in test tools, test**
* **environments and reporting mechanisms** as well as influence the implementation of the right
* solutions.
* As a QA champion on the engineering team, you will own the vision for **test infrastructures**, **build**
* **frameworks** that allow developers to easily write reliable tests, and invent new mechanisms for
* ensuring that every change we make can be deployed safely and quickly. You will help solve our
* most difficult challenges, and you will coach other engineers to foster a culture of relentless high standards.
* The ideal candidate for this role has a strong track record and proficiency in building efficient and
* innovative **test tools**. They are a pragmatic problem-solver with high judgment who brings an
* experienced perspective to balance quality and strategy trade-offs to meet the needs of Alexa teams,
* projects, and products. They will bring clarity to complexity, probing assumptions, illuminating
* pitfalls with data, and fostering shared understanding. They have specialized knowledge analyzing
* test procedures, inspecting architectures and **developing test infrastructure and tools** that provide
* confidence in product quality.
* Envision, design and **develop tools, frameworks and testing infrastructure** to facilitate the testing
* by multiple teams and Amazon business. This includes analyzing requirements, assessing testability,
* identifying automation opportunities and implementing them for projects where the work will be
* run by multiple businesses in parallel.
* · Lead and actively participate in design review, test planning and tools reviews, aligning teams
* across organization towards coherent test tool strategy.
* · Lead effort towards simplifying test tools and technologies in terms of efficiency, effectiveness
* stability, extensibility, and scalability.
* · Actively participate in employee hiring and development process.
* · Contribute to intellectual property (e.g., invent, submit patents, etc.)
* Familiarity with Spark, **Hadoop**, **Cassandra**, **Elastic Search** and **Groovy** is very helpful

**Admin and maintain QA testing infrastructure on both Mac and Ubuntu-based testing servers**

* **Get familiar with CI/CD regression test on Ubuntu**

**# create automation job on Jenkins to auto-kick-off night-regression test on Ubuntu test server.**

**# check – out latest dev code and test code**

**# pytest run the regression**

**# log/results post-processing, where to save logs, email alert for failures.**