Software Development Engineer in Test (SDET) at Safaricom Kenya

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Company: JobWebKenya

Location: Kenya

Category: computer-and-mathematical

Job Description

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Safaricom is the leading provider of converged communication solutions in Kenya. In addition to providing a broad range of first-class products and services for Telephony, Broadband Internet and Financial services, Safaricom seeks to uplift the welfare of Kenyans through value-added services and support for community projects.

Summary

We are pleased to announce a Job Rotation vacancy of a Software Development Engineer in Test (SDET) within the Technology Division. In keeping with our current business needs, we are looking for a person who meets the criteria indicated below.

About Job

Reporting to the Head of Quality Engineering, the position holder will oversee and perform Automated testing on all applications from the earliest opportunity and with precision before any application is deployed to production. Communicating all test issues effectively to the QA manager. Managing the daily workload of a Tester and giving direction on projects. Participate in the test automation tool selection and adoption process; Develop and execute automated test suites using COTS and custom tools; Integrate test suites into the test management system and custom test harnessed. Perform code reviews for junior SDETs.

Responsibilities

Technical:

Produce & manage level test plans, estimate effort and resource test plans

Monitor changes to scope during the development cycle and re-evaluate plans and resource accordingly

Manage expectations of when testing activities will be complete mitigating risks to key milestones

Liaise with the relevant departments to ensure key infrastructure (environments, interfaces & access) is set-up to enable all required testing activities

Manage the UAT process by supporting clients to establish key scenarios to test their business processes to maximize benefit of the UAT process ensuring full acceptance and integration of the software solution

Assign work to QA Engineers and manage successful completion of work to set deadlines

Manage processes and procedures locally within the test team and with external teams across the SDLC to drive and implement improvements to optimize efficiency and first-time pass rate

Measure, develop and optimize quality of team outputs and performance.

Build test scripts from various sources including functional specifications, technical specifications and sessions with developers and designers

Review requirements, specifications, user documentation, help files, and other project documentation to assure quality of the products and tests to be developed; i.e., perform manual static testing.

Select and develop appropriate test automation tools, applying the latest techniques in test automation; e.g., data-driven testing.

Use risk-driven techniques to develop, maintain, and execute automated test suites for various Software Cafeteria products; i.e., perform automated dynamic testing.

Execute automated tests and validate the results.

Work with the Development team to capture and reuse automated Unit Test Cases, Test

Stubs and Drivers, and other Development test objects.

Work with the Development team to create and maintain an automated nightly build verification ("smoke") test.

Ensure proper version control and configuration management of all test objects developed and test environments used.

To facilitate in-house performance testing ensuring that all key infrastructure, data requirements are met as well as establishing the best tools for the job

Identify key components of the system that are suitable for automation and implement approach to deliver benefits through automation

Experience with Continuous Integration tool (e.g. Jenkins) Experience with GitLab to implement for the

Results Tracking and Reporting:

Monitor defects raised by the team and challenge their prioritization supporting to resolution.

Manage all issues that impact on the team's ability to complete testing activities on schedule

Create and maintain manual test repositories and regression test packs with a view of constant optimization to improve test estimates

Create, maintain and manage test related documentation C

Provide the QA Manager with accurate and precise estimates for assigned task duration, along with confidence levels and foreseeable dependencies.

Assist the QA Manager in preparing test plans, budgets, and schedules.

Take responsibility to ensure all solutions delivered meet the highest quality standards

Provide the QA Manager with performance assessments for assigned junior personnel.

Participate in tester interviews, including administering interviews for QA Engineers and Test Automation Engineers.

QUALIFICATIONS

Technical/Professional qualifications:

ISTQB Foundation Level Certification

Bachelor's Degree in Computer Science or Related field Experience

Relevant work experience in development and/or testing role.

Understanding of agile software development Understanding of web service integration (e.g.: REST and SOAP XML).

Experience with Cloud Technology (e.g.: AWS , GCP, Azure) Experience with NoSQL such as MongoDB Experience with SQL/ Relational Database (eg:PostgreSQL), automation, CI/CD, DevOps, testing, JavaScript, selenium, Jenkins, Agile software, cloud, NoSQL Familiarity with software packing tools (.exe, .deb, .rpm, Docker…)

Excellent verbal and written communication skills

Good development/scripting skills in common languages like JAVA, Kotlin, Python, Ruby etc.

Database skills, mainly in MySQL

Good understanding of object-oriented programming, J2EE architecture, .NET, etc.

Knowledge of automated testing tools, like LoadRunner, HP ALM 11, Rational Robot, Selenium, Appium etc.

Proven ability to manage and prioritize multiple, diverse projects simultaneously

Experienced in Manual Testing at levels of Unit & System covering Functional tests

Have strong SQL skills and be able to confidently test batch processes

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