**SHAIK MOHAMMED**

**Sr. Software Developer Engineer Test**

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**PROFESSIONAL SUMMARY:**

* Over 8+ years of experience as a Quality Assurance Engineer with a proven track record in **Auditing**, **Financial**, Cybersecurity, **Telecommunications**, and **Trading** Industries. Proficient in developing test **automation** **frameworks** and conducting a wide range of testing activities, including functional, manual, performance, UAT, regression testing, and database testing.
* Experienced QA professional well-versed in all phases of the **Software Development Life Cycle (SDLC)** and **Software Test Life Cycle** (STLC) testing. Proficient in error **bug reporting**, test **creation, execution,** and certification in pre-deployment. Collaborates effectively with organizational management to streamline operations and **improve efficiency**. Possesses strong skills in utilizing programming languages to create effective test **scripts**.
* Implemented, **tracked**, and reported **key metrics** to ensure comprehensive **coverage** of both **functional** and **non-functional** requirements. Coordinated effectively with teams across **engineering** to facilitate **end-to-end** **verification** of functionality across all system components. Actively participated in daily **scrum** **meetings** and other collaborative discussions. Created and shared regular test **execution reports**, including daily, weekly, and monthly reports, with management and **cross-functional teams**.
* Performed thorough **code reviews** to ensure long-term **viability**, **integrity**, and identified opportunities for enhancing system performance and efficiency. Reported and implemented **end-to-end scenarios** for **health** **checks**, integrating them seamlessly **with CI/CD tools like Jenkins, Bamboo, TeamCity, Azure, and AWS**.
* Developed and implemented a robust **Selenium automation framework** using **Java** and/or **C#, Python** incorporating **TestNG** and **JUnit** for efficient test management. Utilized **data-driven and keyword-driven** techniques to automate **web applications**, leveraging Selenium **WebDriver** with the **Page Object Model** (POM) design pattern.
* Implemented **Robot**, **Gherkin**, and **Cucumber** frameworks for acceptance testing, adopting acceptance test-driven development (ATDD) practices. Employed **keyword-driven** and **behavior-driven** approaches for test automation. Automated functional, **regression**, and **sanity** test cases using **Python**. Conducted manual testing of native applications on **iPhone**, **Android**, and iPod devices. Additionally, performed performance testing to evaluate application performance.
* Experienced in writing complex **SQL, MySQL**, **NoSQL** queries to validate data results against data staging tables and querying data from different **databases** for **data verification purposes**. Proficient in performing data validation and back-end testing of databases to ensure data integrity.
* Maintained well-documented **test cases**, reviewed test results, and prepared defect reports for each iteration of the build. Utilized source management tools such as Subversion, **Git**, Visual Source Tree, **Microsoft** **TFS**, and **MS Build**. Additionally, leveraged **Maven** **build** tools for efficient project management and build processes.
* Experienced in working with web services such as **SOAP** and **RESTful** APIs, **Rest Assured** as well as handling **Splunk** **logs**. Possesses a strong understanding of **REST** principles and demonstrated expertise in testing **REST APIs**. Utilized tools like **Postman** for interacting with APIs and performing API testing.
* Experienced in conducting web application testing in open-source environments on **Linux** and **UNIX** platforms. Proficient in utilizing industry-standard tools such as **JIRA, Load Runner, JMeter, TFS, QTP, MTM, GitLab, HP** tools (such as **UFT**), **Splunk**, and **ALM** for test management and reporting.

**PROFESSIONAL EXPERIENCE:**

**Client: Charles Schwab, Irving TX Feb 2022 to Present Role: Software Developer Engineer Test**

**Responsibilities:**

* Focused on continuous QA **improvements** by utilizing appropriate testing **tools**, test **techniques**, and test **automation**. Monitored all **QA activities**, test results, **Splunk** Logs, and identified any leaked **defects**. Conducted root cause **analysis** and identified areas for improvement. Implemented necessary steps to enhance the QA processes.
* Identified, **documented**, and **reported** system **bugs** using issue **tracked** management tools such as **Jira**. Utilized Charles Schwab's **internal** **data** **management** tool to configure, maintain, and manage test data. Additionally, addressed any issues related to test data management through troubleshooting as necessary. Employed **Zephyr** for test case management, retrieved all legacy test cases and conducted necessary **validations**.
* Designed and developed an **automation** **framework** using **Selenium** **WebDriver** for software products and services. Created comprehensive test suits to cover different **scenarios**. Implemented **functions**, **methods**, and **variables** using **Java** **programming** language. Utilized the **BDD** approach with **Cucumber**, **TestNG** for effective test automation. Maintained **end-to-end** test automation based on **Java** **functions**.
* Experienced in writing **JUnit** test cases to verify the functionality and behavior of individual methods or classes, providing comprehensive coverage of code under test.
* Proficient in utilizing **Rest** **Assured** for API testing and **automation**, ensuring the quality and reliability of **web services** providing comprehensive API test coverage familiar with testing various aspects of **APIs** including **endpoints**, request/response **payloads**, **headers**, and status codes ensuring adherence to API specifications and meeting business requirements.
* Ensured quality **performance** using **LoadRunner** for performance testing. Maintained smooth execution and accuracy of the **test** **automation** process. Verified the test **reports** generated during **nightly** **executions** and made necessary updates to the **scripts** based on the results, aiming to enhance test **coverage** and improve overall reliability.
* Coordinated with different teams to conduct **Database** **Testing**, including tasks such as **Test Case creation**, **Defect Reporting**, **Root Cause** Analysis, and Data Integrity Analysis. Collaborated with **offshore** teams to discuss the testing status and assign **defects** as needed.
* Collaborated with Engineering, QA, **Architects**, and Product owners to refine and support continuous integration and continuous deployment (**CICD**) methodologies. Worked closely with the DevOps team to ensure seamless integration of **automation frameworks** into the CICD **pipeline**, specifically with **Bamboo CI/CD** pipelines. Created, modified, and executed **jobs** based on major and minor **releases**, ensure smooth and successful **deployments**.
* Maintained the test source code and resources in the **GIT** source control **repository** tool. This involved effectively managed version control, organized **code** repositories, and ensured proper **collaboration** among team members.

**Tools and Technology:** Selenium WebDriver, BDD Cucumber, TestNG, JUnit, Java, Web Services, Rest Assured, JIRA, SoapUI, SQL, TOAD, bamboo, Zephyr, Postman, Splunk, Load runner, JMeter, Bitbucket.

**Client: Progressive Insurance, Cleveland OH Feb 2020 to Jan 2022 Role: Sr Systems Test Engineer**

**Responsibilities:**

* Analyzed the **requirements** to determine which items needed to be tested and **automated** focused on building customer **relationships** and instilled customer **confidence** in the team's ability to **deliver**.
* Discussed the features and new functionality that were being **incorporated** to enhance test automation **effectiveness** and ensure proper adoption for **Quoting's test automation framework** for **web** and **mobile** platforms.
* Experienced in designing and executing test strategies and test cases specifically tailored for **NoSQL** databases, validating functionality, **data** **models**, and query performance familiar with testing concepts related to **NoSQL** databases, including schema-less data models, sharing, replication, consistency, and durability.
* Designed, **coded**, **debugged** programs using **Agile** development practices migrated **old legacy java-based** **Framework to hybrid C# framework** used Selenium **WebDriver** and **TestNG** libraries and created separate regression test suites for UI and **RESTful API**.
* Implemented Azure **CI/CD** (Continuous Integration/Continuous Deployment) pipeline for efficient software delivery and **deployment** on the **Azure** platform. utilized **Azure** **DevOps** services such as Azure Pipelines, Azure Repos, and Azure Artifacts to **automate** the **build**, test, and deployment processes.
* Executed software **development** tasks and automated web services and **RESTful** **WebAPI’s** using Quoting **hybrid** **framework** supported the deployment of applications into production and maintained applications after **release**, ensured their smooth operation and addressed any **issues** that arise.
* Utilized **Microsoft** **TFS** (Team Foundation Server) and **GIT** to create code release **packages** for testing and deployment in both **test** and **production** environments.
* Conducted all phases of testing, including **Performance** Testing, and performed daily configuration-based application **health** **checks** on both production and non-production environments. Conducted Development Integration Testing (**DIT**), System Integration Testing (**SIT**), and User Acceptance Testing (**UAT**) daily, ensured the configuration is functioning correctly.
* **Recorded** the generated test results for each executed test based on test **suites**, gathered all **results** for **analysis** and evaluation of responses. incorporated test data and generated **combinatorial** **executions** for comprehensive testing coverage.

**Tools and Technology:** Hybrid Framework**,** Selenium WebDriver, Cucumber, TestNG, Java, C#, Azure, TFS, Web Services, JIRA, SoapUI, page object model (POM), NoSQL.

**Client: Avast Software, FWB FL Nov 2018 to Feb 2020 Role: Automation Engineer**

**Responsibilities:**

* Took **ownership** of developed test plans and test cases and executed them against the **CloudCare** Software as a Service (**SaaS**) Cloud Based product. Carried out all **phases** of testing, including test planning, execution, troubleshooting, and reporting, within a high-performance, self-directed **agile** team.
* Implemented the Page Object Model (**POM**) **Automation** **framework** and ensured efficient maintenance of regression test cases in **Selenium** **WebDriver**. Integrated an **SQL** data provider for test data management. Executed tests using **Java** and **TestNG**.
* Created **scripts** and **health** **checks**, validated their functionality, and executed them against the Avast application. Additionally, set up virtual environments and implemented Continuous Integration practices using **Jenkins** and **TeamCity** to run jobs in both production and non-**production** environments.
* Conducted data-driven testing using **Selenium** **WebDriver** and **TestNG** functions, enabled the reading of data from scripts using property and **Excel** **files**. Integrated **Sikuli** Scripts for Windows UI whenever necessary for executing **end-to-end** scenarios in the application.
* Implemented a **Python**-based **Robot** **Hybrid** **Framework** with a **keyword**-**driven** approach. Estimated, planned, and conducted feature and regression testing on each software iteration of CloudCare security software applications. Additionally, performed user **acceptance** testing and **post-deployment** testing.
* Worked closely with operations teams to **troubleshoot** and resolve **issues** related to **Ansible** **automation**, ensured reliable and efficient management of infrastructure resources stayed updated with the **latest** features and best **practices** in **Ansible.**
* Utilized **JIRA** to update the status of all test cases and test scripts executed during the testing process. Conducted usability, **GUI**, functionality, and **regression** testing of new builds. Identified application defects and worked towards minimizing the steps required to reproduce the **problems**.
* **Developed** custom **Python** **methods** to test **REST API** functionality for regression setup. Utilized **SOAP** UI for test **automation** of both traditional and **RESTful** web services.
* Collaborated with **developers** to effectively communicate testing issues on behalf of the testing team. Managed the entire testing effort, including identifying and isolating software **defects**, and promptly **reported** them for resolution.
* Actively participated in QA team meetings and discussions, actively contributing to sprint planning and **Agile** Scrum meetings daily.

**Tools and Technology:** Selenium WebDriver, Cloud care, Sikuli, Java, HP ALM, Web Services, JIRA, SoapUI, page object model (POM), Ansible, SQL.

**Client: Verizon Data Services, Tampa FL May 2018 to Dec 2018 Role: QA Test Engineer**

**Responsibilities:**

* Executed all **phases** of the Test Life Cycle, which encompassed activities such as gathering **requirements**, creating test plans, scheduling tests, **tracking** and reporting defects, conducting GUI, functional, **regression**, **smoke**, end-to-end, and user acceptance testing. I utilized a defect management tool to log and report any identified defects.
* Developed a **Maven** project from scratch and actively maintained **automated** **scripts** to ensure the quality and integrity of a finance application. I employed a **keyword data-driven technique**, utilizing tools such as **Selenium** **WebDriver**, **Java**, **TestNG**, and the **Cucumber** framework. Created and developed comprehensive test plans and test cases for the Finance Application.
* Facilitated the enhancement and maintenance of the current test environment in **Eclipse** using **Java**. Actively participated in the **setup** of the **test environment**, ensuring that all necessary facilities, test tools, and **scripts** were in place to effectively support the testing efforts carried out by the **Regression** Team.
* Utilized **POSTMAN** for **API** testing, specifically executing GET and POST **requests** on endpoints such as Events, **Performers**, Categories, and Event Series. Additionally, I created **jobs**, **alerts**, and configured **Splunk** logs and **error logs** using the **SQL** Server Agent to capture any potential errors or issues during testing and **production** environments.
* Validated **database** **insertion** and **deletion** by executing **SQL** statements. I conducted extensive backend testing by leveraging **SQL** queries to ensure data integrity and verify the accuracy of database **operations**.
* Designed and implemented **AWS CI/CD** (Continuous Integration/Continuous Deployment) pipeline for efficient software delivery and deployment. utilized AWS services such as AWS **CodePipeline**, AWS **CodeBuild**, and AWS **CodeDeploy** to automate the build, test, and deployment processes.
* Collaborated closely with the **business** team, UI/UX **designers**, and software developers to gain a **comprehensive** understanding of the **application** functionality and navigational flow. Prepared thorough documentation for assigned projects and adhered to software release procedures. Conducted requirements **analysis** using **JIRA**, ensuring accurate and effective communication between **stakeholders** and the **development** team.
* Actively participated in **daily** **Scrum** stand-ups as part of an **Agile**-based iteration. I contributed to the team by providing quality estimates for **automation** efforts in the realm of Quality Assurance.

**Tools and Technology:** Selenium WebDriver, Cucumber, Java, Splunk, HP ALM, Web Services, AWS, JIRA, SoapUI, Windows, IOS, page object model (POM), SQL.

**Client: PricewaterhouseCoopers LLP, Tampa FL Jul 2017 to Apr 2018 Role: Quality Assurance Analyst**

**Responsibilities:**

* Extensively worked in all stages of the testing life cycle, including **Test-Driven Development methodologies** and Software Development Life Cycle (**SDLC**), using **Agile** and Scrum methodologies.
* Experienced with all phases of the SDLC, with **hands-on** experience in QA testing methodologies and **object**-**oriented** software testing. Expertise includes **functionality**, compatibility, reliability, **usability**, and installation testing on **web-based** and **client-server** environments.
* Automated test cases using **Python** **functions** created **spreadsheets** to implement **data-driven** tests, excluding **XML** data format. Experienced in analyzing test results, **identified** bugs, and **reported** them to the development team using **GitLab** for stories and Product Backlog Items (PBIs).
* Conducted thorough **API** testing to verify the functionality, **performance**, and reliability of **web services** and **RESTful APIs**, using tools such as **Postman**, **SoapUI**, and **JMeter**. Developed comprehensive test plans and executed test cases to validate **API endpoints**, data integrity, error handling, and authentication mechanisms.
* Worked on multiple applications, utilizing different tools based on requirements. Performed data validation and **verified data output reports** by executing **SQL** queries based on **input** data.
* Created and executed **SQL** queries to validate the integrity of **database** data. Additionally, performed backend testing by executed **SQL** queries and **PL/SQL** procedures, functions, and packages.
* Created test cases in Microsoft Test Manager (**MTM**) and extended them by setting up configuration **parameterization**, linked requirements, and linked failed **defects**.
* Worked extensively with a **full** **stack Maven** build environment, utilized a **SVN** repository for data storage, updates, and version control.
* Implemented Continuous Integration and Continuous Deployment **(CI/CD**) pipelines using **Jenkins**, ensuring efficient and automated software delivery processes.

**Tools and Technology:** Selenium WebDriver, Python, Web Services, TFS, MTM, GITLAB, Android, IOS, page-oriented model (POM), SQL.

**Client: Wells Fargo Phoenix, AZ Feb 2016 to May 2017 Role: QA Engineer**

**Responsibilities:**

* Maintained and **updated test plans, test cases,** and test strategies on a regular basis, aligning them with requirement specifications and **business** rules to ensure accurate and **comprehensive** testing **coverage**.
* Conducted thorough regression testing, ensuring that all modifications made to the application were properly verified. Validated status **reports**, actively participated in project **meetings**, and contributed to project **planning** with the team.
* Created and enhanced multiple test scripts using **Selenium** **WebDriver** to accommodate changes in objects, the **GUI** of the tested application, and the **testing** environment.
* Developed **automated** scripts using **Selenium** **WebDriver**, implemented the **Cucumber framework** with **Java** and the Page Object Model.
* Developed **automation** test scripts using **Java** and other automation tools for both client-server and web-based applications.
* Executed **SQL** queries in both backend and front-end functions, **procedures**, and packages to implement business rules and **security**. Additionally, provided support for integration services and **analysis** services.
* Experienced in analyzing test results and **reporting** defects to the team using **HP ALM** (Application Lifecycle Management). Created manual test cases in HP ALM to ensure comprehensive test coverage.
* Utilized **SoapUI** for specific requirements of the application, while the remaining testing was performed using Selenium **WebDriver** with a Cucumber **Gherkin**-based framework. Tested across different **browsers** and utilized **Selenium** **Grid** to verify server instances. Additionally, employed Selenium **IDE** for record and playback functionality.

**Tools and Technology:** Selenium Web Driver, Cucumber, Eclipse, Java, HP ALM, Soap UI, Oracle 10g, SQL Navigator, XML.

**Client: TBSS India Nov 2013 to Jan 2015 Role: QA Software Engineer**

**Responsibilities:**

* Accountable for creating and maintaining **test plans, test cases**, and test strategies for the **Tata** Business Support application, aligning them with requirement specifications and **business** rules to ensure thorough testing coverage.
* Conducted **comprehensive** regression testing, validating each module of the application based on deployments and ensuring the **accuracy** of status **reports**. Actively participated in project **meetings**, effectively communicated project updates, and **collaborated** on project planning with the team.
* Exported requirements from Google Sheets to **HP ALM,** effectively documented **end-to-end** scenarios.
* Experienced in creating and documenting **defects**, reporting them to the team using **HP ALM** (Application Lifecycle Management). Additionally, proficient in creating manual step-by-step test cases in HP ALM.
* Implemented and executed **SQL** queries to validate database tables and performed backend testing by executing **SQL** procedures, functions, and packages. Compared the results with the application's UI data to ensure data consistency and integrity.
* Collaborated with **cross-functional** teams to analyze requirements and design **Kafka**-based architectures, ensured seamless data flow and integration between systems.
* Worked closely with developers and operations teams to troubleshoot and resolve issues related to **Kafka**, such as data loss, lag, or performance bottlenecks.

**Tools and Technology:** HP ALM, SQL Navigator, XML, Bug Report, Kafka, Defect Management

**Educational Qualification**:

* Bachelors in computer science from Jawaharlal Nehru Technological University, Hyderabad, India.
* Masters in computer science from Chicago State university, Chicago, USA.