**Senior QA Automation Engineer**

• Senior **QA Automation** Engineer with 10+ years of experience in **software testing.**

• Proficient in **SDLC** Software Development **Life Cycle &STLC** Software Testing Life Cycle methodologies such as **Waterfall** and **Agile/Scrum.**

• **Automation** testing of Client Server and Web applications in various domains like Retail, Logistics Healthcare and Banking.

• Expertise in implementing **Waterfall** / **Agile** and **SCRUM** Methodology by analysing requirement specifications and responsible for developing Test Objective, strategies, Scope, Test procedures and Test Matrices.

• Extensively involved in UI **Automation** by using **Selenium Web Driver**, **GCP,** **SOAPUI** Testing, Backend **SQL** Testing, Web application Testing, **GCP** (Cloud Platform).

• Well versed with Software Development Life Cycle (**SDLC**), Software Testing Life Cycle (**STLC**), Logging and Tracking Defects in all the phases with major responsibilities.

• Experienced in using finder mechanisms like **CSS**, XPath expression, Link text, Partial Link text and name to find the Web Elements.

• Developed **Automation** test scripts for POS application by using **QTP** tool.

• Skilled in using **Selenium APIs** such as Take Screenshot for Capturing Failed test cases and reporting them through Bug tracking tools.

• Experienced dealing with Ajax requests in **Selenium Web Driver** using Synchronization.

• Designed and implemented different **Automation** frameworks like Keyword Driven Framework, Data Driven Framework, and Hybrid Framework.

• Experienced using Accessing Forms, tables, link, Keyboard Mouse Events, Uploading File using **Selenium Web Driver**.

• Experienced in using Apache POI to read data from external sources to feed locators into the test script.

• Developed Test Scripts to implement Test Cases, Test ScenarIOS , and features for **BDD** (Behavior Driven Development) using **Cucumber**.

• Experienced in using Test Management tools such as QC, Rally, **JIRA** bug reporting tools to track test progress, execution and deliverables.

• Skilled in **Automation** Testing (QTP), Functional Testing, Performance Testing (Load Runner).

• Used JMeter to measure the performance of client/server applications and to do load testing.

• Strong understanding in concepts of QA and Testing Methodologies.

• Used Autofit for captcha testing and also Robot class to handle windows pop - up.

• Involved in design and implementation of **Selenium Web Driver** **Automation** Framework for Smoke and Regression t enthusing **TestNG**.

• Expertise in Grouping of Test Cases, Test Methods and Test Suites for regression and functional Testing using the **TestNG** annotations like Groups, Parameter, Data Provider.

• Experienced with Cross-Browser and Compatibility Testing to test whether the web applications are working as desired in different browsers and environments.

• Worked on **Selenium** Grid for running the **Automation** Test script on Different Platforms and Browsers.

• Used **Selenium** WebDriver and **TestNG** to run parallel testing by creating Groups and categorizing test cases.

• Tested **SOAP/REST**ful Web Services by understanding the WSDL/HTTP methods, driving the parameters from property files and scripting.

• Experienced in testing REST Web Services, handled **JSON** Request and Response using **JSON** simple and rest assured libraries.

• Developed Test Scripts to implement TDD (Test Driven Development), **BDD** (Behavior Driven Development) using **Cucumber**.

• Maintained the **Selenium** and **GCP** Automationcode and resources in source controls like SVN, GIT over the time for modifications and new features.

• Performed Continuous integration **Automation** using Jenkins and scheduled the tests to run at specific time.

• Generated test logs using Log4 j for various log levels.

• Experienced in preparing test data for positive and negative Testing and identified critical bugs in the product early in the test execution cycle.

• Possess good knowledge of Core **GCP** and Object-Oriented Concepts (Inheritance, Polymorphism, Exception Handling and Collections).

• Experienced in Back-End Testing to ensure data consistency on front-end by writing and executing **SQL** (on-prem services), GQL (cloud platform) queries.

• Expertise in performing manual testing and mobile application testing using **Appium**.

• Used Emulators (Android devices) and Simulators (IOS devices) to implement mobile testing.

• Participated QA weekly meetings and various other meetings and discussed Enhancement and Modification Request issues and defects in the application.

• Worked across functional (development/testing, deployment, systems/infrastructure) **DEVOPS** and project teams to ensure continuous operation of build and test systems.

• Lead the onsite and offshore team to ensure the deliverables are met and resolved GAPS in any.

• Excellent analytical skills with good communication and self-organizing skills, assertive and a committed team player.

**TECHNICAL SKILLS:**

**Development Methodologies:** Agile/ Scrum, **Waterfall,** CI/CD, DevOps

**Artifacts:** Test Plan, Test Case, RTM, Test Summary Report, Bug report

**Automation Tools:** **Selenium** IDE, **Selenium Web Driver**, **Selenium** RC, **Selenium** Grid, Quick Test Pro, **Cucumber**, JUnit, JMeter, **TestNG**, log4j, WinSCP, Soap UI, Jenkins/Docker, GIT, **GCP**.

**Frameworks:** Data Driven, Hybrid Testing Frame work, Page Object Model.

**Bug Management Tools:** Rally, Quality Center, JIRA, Bugzilla, VersionOne.

**Programming Languages:** **GCP,** **GCP** Script, HTML, XPath, **CSS**, Soap, WSDL, Restful.

**Database/Database Tools:** **SQL** Server, Oracle, MySQL, SQL, **GCP** (Data Store), GQL.

**Operating Systems:** Windows, XP, UNIX

**Utilities:** Eclipse, GIT, SVN, Firebug, Fire Path

**PROFESSIONAL EXPERIENCE:**

**Client: Honeywell, Riverview, FL Jan 2023 – Till Date**

**Senior QA Automation Engineer**

Responsibilities:

• Extensively worked on **API** based applications on **LEGACY** (mainframe) and CLOUD platforms.

• Drafted Test Plan which included Testing objectives, Testing phases, scenarIOS and test environment after a thorough analysis of the business rules.

• Developed Test Plan with a Test Strategy for the System Integration Testing. Instrumental in creating design and framework for automation.

• Tested applications developed in **GCP** with **TestNG** by following **BDD** approach.

• Built JBehave stories to perform **Automation** on web-services for on-prem, CLOUD based applications for web-services using REST Assured Libraries and executed them on **JIRA** by using JBehave Plugin.

• Used **Selenium Web Driver** to test UI based applications and tested the **API** calls by using REST Assured.

• Developed and executed White box test cases of the **GCP** APIusing **TestNG** frame work & Eclipses IDE.

• Automated Smoke &Functional test cases using **Selenium Web Driver**, **TestNG**& **GCP** (Eclipse IDE).

• Maintained separate suite for regression and ran them before every release making sure the existing functionality is not impacted.

• Incorporated **OOPS** concepts to the **Automation** framework for both **API** and UI applications.

• Integrated **Automation** scripts (**Selenium Web Driver** API) on Continuous Integration tool Jenkins for nightly batch run of the Script.

• Extensively used web-services such as **SOAP/REST** services to test the applications manually and henceforth performed **Automation** on those services by using **GCP** through **BDD** approach.

• Validated the updates on backend by using ORACLE and DB2 databases performing various queries.

• Validated the stored procedures in Oracle to check if the **API** has all configurations w.r.t DB append running.

• Used Google Cloud Data Store (**GCP**) to store the data on cloud platform and validated the entities, columns which were extracted and loaded to the Data Store.

• Validated the **API** response with the **GCP** cloud data in data store.

• Used **GCP** Pub-sub and validated the message published to the Topic which was extracted from the **LEGACY** Db, and ensured the message was consumed by the data store.

• Used **LEGACY** systems MAINFRAMES to process an order all the way to closed status by running batch jobs.

• Validate the logs, exceptions generated by the webservices by using WINSCP.

• Used Git as code repository and Code Collaborator to manage code reviews.

• Created POM to store the project data and configured their details using Maven to build the project.

• Effectively used **JIRA** as Project Management tool to keep a track of bugs, day-today activities.

• Coordinated with technical support associates to fix proprietary software issues.

• Conducted backend Testing to validate the response against webservices by using **SQL** queries on ORACLE/DB2database.

• Attend various meetings like Sprint planning, Backlog grooming, Daily Stand-up, Retrospective as a part of **AGILE** methodology.

• Utilized various test tools for **Automation** of test cases Generate test reports and performed extensive Web Services testing using SOAP UI.

• Obtained the responses for RESTFUL webservices in **JSON** format and used **JSON** VIEWER to obtain the response in a desired format.

• Lead E2E, SIT testing with various teams and scheduled monthly show-cases with business to ensure that all the business use-cases are covered.

• Used Data driven framework to fetch the data from external sources and keyword driven framework to perform actions.

• Used Excel Spreadsheets and Apache POI to process the spreadsheets in Application Framework and used Auto IT to upload files in Windows.

• Used **Appium** tool to perform mobile testing using android mobile studio.

• Experienced in using JMeter to measure the performance of client/server applications and for performing load test.

• Performed Smoke testing on the applications whenever there is change in environment.

• Involved in UAT phase to execute the scenarIOS by working with Business partners.

• Validated the response time w.r.t service stored-procedure and logging during Performance testing.

• Provided ProductionSupport during Peak holiday support and each Release for validating the services and Performance of the application.

• Scheduled CICD pipeline using Jenkins to do a sanity check on the build and thereby based on results approved the build, to deploy to QE environment.

• Gathered the necessary Tech-Specs and project related documents from Confluence Page.

• Used Dockercontainers to deploy the applications using Docker Image file.

• Used **Selenium** Grid to execute test cases in parallel on different target machines.

• Reported defects to developer and discussed about the issues in daily status meetings.

• Interacted with the Subject Matter Experts (SME) and Business Analyst to get a better understanding of client business processes and gather requirements.

• Lead the offshore team by resolving the GAPS by making sure the deliverables are met.

Environment: **Selenium Web Driver**, **GCP,** **TestNG**, Jenkins, Maven, SOAP UI, Mainframes, WinSCP, ORACLE/DB2, Atlassian Confluence, GIT, Agile, XPath, Jira, Eclipse, JBehave, JMeter, **GCP** Script, MSWord, MS Excel, PL/SQL, SQL, Jenkins/Docker (DevOps), **GCP**.

**Client: BNY New York, NY Feb 2019 - Dec 2022**

**Senior QA Automation Engineer**

Responsibilities:

• Drafted Test Plan which included Testing objectives, Testing phases, scenarIOS and test environment after a thorough analysis of the business rules.

• Developed Test Plan with a Test Strategy for the System Testing. Instrumental in creating design and frame work for automation.

• Tested applications developed in **GCP** with **TestNG** framework.

• Used **Selenium Web Driver** for writing test scripts for regression test coverage.

• Developed and executed White box test cases of the **GCP** APIusing **TestNG** framework & Eclipse.

• Automated Smoke Functional test cases using **Selenium Web Driver**, **TestNG**& **GCP** (Eclipse IDE).

• Worked on creating test case for Object -driven framework for **Selenium Web Driver**.

• Integrated **Automation** scripts (**Selenium Web Driver** API) on Continuous Integration tool Jenkins for nightly batch run of the Script.

• Coordinated with technical support associates to fix proprietary software issues.

• Conducted backend Testing using **SQL** queries to validate data for database.

• Attend the BRI (Business Requirement Identification) meeting to understand the business Requirements.

• Worked on Project Management tools Jira/Version One.

• Utilized various test tools for **Automation** of test cases Generate test reports and performed extensive Web Services testing using SOAP UI.

• Obtained the responses for RESTFUL webservices in **JSON** format and used **JSON** VIEWER to obtain the response in a desired format.

• Created POM to store the project data and configured their details using Maven to build the project.

• Executed the automated regression test cases during every release and also executed the daily regression test suites.

• Used Data driven framework to fetch the data from external sources and keyword driven framework to perform actions.

• Used Excel Spreadsheets and Apache POI to process the spreadsheets in Application Framework and used Auto IT to upload files in Windows.

• Used **Appium** tool to perform mobile testing using android mobile studio.

• Used UI Automator viewer for android devices and **Appium** inspector for IOS devices to locate elements for mobile testing.

• Experienced in using JMeter to measure the performance of client/server applications and for performing load test.

• Verified, edited and update test data in new or existing systems before Testing.

• Used **Selenium** Grid to execute test cases in parallel on different target machines.

• Implemented **BDD** (Behavior-Driven Development) to run automated acceptance tests using **Cucumber** tool which has a gherkin format and files like feature file, step definition file and test runner file.

• Performed regression tests on a daily basis by scheduling jobs, configurable with GIT by using Jenkins, and based on test results approved the build requests.

• Reported defects to developer and discussed about the issues in weekly status meetings.

• Interacted with the Subject Matter Experts (SME) and Business Analyst to get a better understanding of client business processes and gather requirements.

Environment: **Selenium Web Driver**, **GCP,** **TestNG**, Jenkins, Maven, SOAP UI, Agile, XPath, Jira, Eclipse, **Cucumber**, **Appium**, JMeter, **GCP** Script, MSWord, MS Excel, PL/SQL, SQL, Windows.

**Client: AT&T, New Jersey, NJ Oct 2017 – Jan 2019**

**QA Automation Engineer**

Responsibilities:

• Worked in the **Agile** environment with frequently changing requirements and features set.

• Prepared Test Plans, Test Scripts and Test Cases based on functional specifications and user requirements.

• Developed and maintained automated regression test cases in **Selenium** WebDriver using **GCP** programming language and **TestNG** Framework.

• Developed test code in **GCP** language using Eclipse IDE and **TestNG** framework.

• Used Maven for building the WebDriver project. Integrated with Continuous Integration tools Jenkins for running test on nightly basis automatically.

• Used **Selenium** WebDriver **APIs** for writing test suites and test cases for testing functionality.

• Extensively used **Selenium** (data-driven, XPath locator) and WebDriver to test the web application.

• Created the test data and request for the test data dependent with the other applications to be used in the testing activities for the current release.

• Created Data Driven scripts for huge chunks of data by using @DataProviderannotation of **TestNG** frame work.

• Used Hybrid framework which is a combination of both keyword and data driven framework to automate the test scripts. And worked on acceptance testing using **Cucumber** to check the basic functionality of the application.

• Performed back-end validations using **SQL** statements against My**SQL** Database.

• Used Page Object Model (POM), UI Mapping, **Selenium** Manager, Data Driven using CSV, **CSS** Selectors as a part of Framework. Based on page library, developed **Selenium** test cases in **GCP** using **TestNG** framework.

• Used **TestNG** framework to perform cross-browser and group testing and also made use of different annotations.

• Implemented and worked on Acceptance Test Driven Development (ATDD) **Agile** methodologies completing releases ahead of schedule.

• Utilized various test tools for **Automation** of test cases to generate test reports and performed extensive Web Services testing using SOAP UI.

• Verified the deviation and throughput of the application with maximum number of users by performing load testing using JMeter.

• Performed mobile testing manually by using Perfecto mobile and also used **Appium** for **Automation** of android devices using android studio(emulator) and Xcode(simulator).

• Declared the mobile platform and version along with the desired app in the Desired Capabilities class for performing mobile testing using **Appium**.

• Performed Smoke, Functionality, Integration, System, Regression tests based on Analysis, and understanding of the requirements, non-functional specifications, and end-user needs.

• Used GITfor code repositories and Maven for the dependencies.

• Used **JIRA** to track the tasks and issues, attended daily status meetings to update the status of work.

• Used Git as code repository and Code Collaborator to manage code reviews.

• As part of compatibility testing, executed the workflow manager web application related test cases on different browsers different Operating Systems.

• Performed Back-End Testing, database table manipulations of relational database systems by writing complex **SQL** queries manually.

Environment: s: **Selenium** WebDriver, Jenkins, SOAP UI, Maven, **Cucumber**, BDD, **TestNG**, Page Object Model (POM), **Appium**, XPATH, Eclipse, TDD, Agile, GIT, SQL, Jira, JMeter, Windows.

**Client: Global Edge, India Aug 2012– Oct 2016**

**QA Automation Engineer**

Responsibilities:

• Worked as a QA **Automation** Engineer for Confidential Point of sale (**POS**) system.

• Worked under **Agile** methodology in the whole development life cycle.

• Implemented the POS testing for POS sale payment transaction at application level.

• Performed the sale transaction, payment which includes cash validation, card validation, Gift card validation at the application level for POS systems.

• Performed payment gateway testing by making use of payment processors and web-services testing which validate the bank details of the customers.

• Used SOAP UI tool to validate the response for webservices by making use of assertions.

• Performed QA **Automation** testing, Integration and Regression testing activities for new releases in an End-to-End environment for Point-of-Sale application.

• Attended defect review meetings and discussed issues with the developers and business owners.

• Involved in Test Effort estimation for upcoming and present releases.

• Performed functional testing of various components of **POS** system.

• Performed integration testing of POS system with hardware peripherals.

• Led the Configuration Tools team to manage the configurations of the stores nationwide.

• Worked on the test design and automated test cases and validated the test results for the Google Wallet **mobile** application from the **NFC** enabled phones on the POS application.

• Worked on the test design and test execution for different modules of Confidential loyalty program.

• Worked on the test design and test execution for the Mobile Point of Sale application.

• Performed mobile testing by using **Appium** to design the test scripts for both Android and **IOS**  devices.

• Used different types of virtual devices (Emulator & Simulator) and real devices for Testcases Validation of mobile testing.

• Involved in User Acceptance Testing, **GUI** Testing, and Regression testing of different modules of the application.

• Worked on the optimization of the overall regression suite which reduced the number of test cases by 25% .

• Performed backend testing, wrote **SQL** to compare the UI results with that in the database.

• Simulated various transactions and verified the POS transactions, payment processing, cash management and reporting features.

• Performed positive and negative testing according to the test scenarIOS .

• Prepared Daily Defect report (from Bugzilla) and Test status report (from Quality Center) for stakeholders.

• Used LoadRunner to do functional as well as load testing of SOAP Web-services. Also used various types of timers to reduce the delay between each request thereby solving overloading problems.

• Performed the **Automation** of test scenarIOS for functionality, **GUI** and Regression testing using QTP.

• Execution of the test scenarIOS and scripts and review of product functionality.

• Provided accurate and timely testing status reports to the **QA** Lead and Project Manager.

• Used Bugzilla tool for defect tracking.

• Responsible for **UAT** to store operations and business users.

• Extensively worked with Quality Center for test case execution and reporting purposes.

**Environment:** Quality Center, QTP, Windows XP, MS Word, MS Excel, NCR POS, Load runner, MySQL, SOAP UI SQL, Bugzilla, Agile.