**Sajjan**

**QA Engineer**

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**PROFESSIONAL SUMMARY:**

* **6 years** of diverse experience in the Information Technology industry with a focus on Software Quality Assurance (QA/Software Testing) activities.
* Excellent understanding of **Software Test Life Cycle (STLC) and Test Methodologies.** Good understanding of **AGILE, Waterfall** software development methodologies.
* Experience in **Automation Testing** and **Exploratory Manual Testing** (Black Box/White Box Testing) on **Web-based** applications.
* Experience in developing end to end automation using **Selenium WebDriver/IDE/Grid, TestNG, Maven, Jenkins, Cucumber, Soap UI, Postman.**
* Expert in developing **Java Selenium/WebDriver** test scriptsand **Test Frameworks** using **TestNG** to perform **Functional** and **Unit Testing.**
* Ability to validate GUI and system functionality on desktops as well as mobile devices running with Android and iOS with the help of Appium tool integrated with complex architecture and Mobile Browser, Mobile Native Application Testing, Mobile Cloud Platform.
* Have **Java** coding experience in **Eclipse IDE** for functional testing and regression testing for web based N-Tier applications.
* Experienced in using **Maven build tools to manage framework dependency jar files.**
* Experience in designing Automated Framework using **Selenium WebDriver, Java** and writing **Selenium** Automation Scripts for **Sanity and Regression testing.**
* Experience in API Testing using **REST Assured** library and **POSTMAN**.
* Performed Mobile Testing using **Appium** on **Android, IOS** platforms. Tested **Native, Web** Apps on Real Devices and Emulators.
* Experience in **creating Test Plans**, **writing and executing Test Cases, Manual Testing, and automated Test Execution.**
* Work experience in using the **Quality Center/ALM** to manage the software testing process and **Jira** for tracking the process and sharing the files.
* Experience in Business **Functionality Testing,** **Smoke testing,** User Interface testing, **Integration Testing, Black Box Testing,** End-to-end Testing, **Manual Testing**, **UAT testing**, **Regression Testing**, **Performance Testing**, **Documentation and Reporting**.
* Good experience in Web Services testing using **SOAP UI, XML**, and **WSDL**. Providing required input data to request **XML** and get the required data from response XML and use the response data from other request XML using **SOAP UI.**
* Strong experience with **SOA** architecture which include **Soap Web Service** and **RESTful Web Service** Testing.
* Experience in Using **JIRA, ALM** extensively for Establishing **Traceability to Requirements, Test Cases, Bug tracking and Reporting**.
* **Good analytical and communication skills** and ability to work independently with minimal supervision and also perform as part of a team.

**SKILLS:**

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| **Development Methodology** | Agile, Waterfall, Scrum |
| **Testing Tools** | Selenium IDE, Selenium WebDriver, Selenium Grid, Cucumber, Appium, AWS, ALM |
| **Unit Testing Framework** | Junit, TestNG |
| **Build/Integration Tools** | Maven, Ant, Jenkins, Hudson |
| **Bug Tracking Tools** | JIRA, HP Quality Centre/ALM |
| **Web service Tool** | Soap UI, Ready API, POSTMAN |
| **Database/Database Tools** | SQL Server, Oracle, MySQL, DB2 |
| **Development Environment** | Eclipse, NetBeans, IntelliJ, Team Foundation Server, GitHub, JDBC |
| **Version Control Tools** | GIT, SVN, CVS, Clear case, TFS |
| **Operating Systems** | Windows, Linux, Unix, Mac |

**PROFESSIONALEXPERIENCE:**

**Client: Western Alliance Bank, Phoenix, AZ Jan 2021 – Till Date**

**Role: QA Automation Engineer**

**Responsibilities:**

* Involved in analyzing Business Requirement Documents and Technical Specification document and developed test plan and test cases for testing the application.
* Followed Test Driven Development (**TDD**) as much as possible and written test cases using **TestNG** for every relevant class.
* Integrated Automation scripts (Selenium WebDriver API) in **Continuous Integration tools (Jenkins) for** nightly batch run of the Script. Created Project plan on **Jenkins**, configured scheduled using **Cron** job.
* Developed test automation scripts using **Selenium WebDriver** for regression and performance testing of the various releases of the application.
* Developed manual and automated test cases to validate RESTful API web service. Validation was performed using Postman and custom-written python scripts.
* Performed manual testing of each build and then **regression testing** on each builds using **Selenium WebDriver.**
* Implemented **Appium** scripts to test **IOS** and Android platforms.
* Done SOA testing for Payments API's using SOAP UI and Java framework for web services testing.
* Developed data **driven test scripts** to check the same functionality with multiple sets of data.
* Created the tests that have no user interaction as a set and executed them as Batch tests using **Maven**.
* Developed test suite, test cases, execute test cases and generate report in **Postman**.
* Used **TestNG** Annotations in Selenium WebDriver and executed a batch of tests as TestNG suite.
* Performed test automation Development using test framework that implements **Page Object Model (POM),** cucumber feature, and **TestNG** configuration files.
* Developed Selenium scripts in TestNG for **parameterization** using **Data Provider** annotation.
* Developed user-friendly and flashy **XSLT** **reports** using TestNG and Maven.
* Involved in writing automation scripts for mobile native applications using **Appium, Core java and Selenium.**
* Conducted **System Testing** and **User Acceptance Testing** for every client and Conducted Backend testing writing extensive **SQL queries**.
* Involved in **documentation** as to how to maintain and run scripts for future enhancements. Responsible for testing the application against different environments in **QA, staging and production**.

**Environment:** Java, Selenium WebDriver, Cucumber, TestNG, Jenkins, POSTMAN, Python, Appium, JIRA, XPath, SOAPUI, Maven, JavaScript, TDD, SQL, Windows.

**Client: Microsoft, WA Sep 2019 – Dec 2020**

**Role: QA Automation Engineer**

**Responsibilities:**

* Responsible for preparation of Test cycle/progress reports, analysis of defect metrics & implement improvement actions for next iterations.
* Performed different testing task using various **test scripts on Selenium WebDriver** and **TestNG.**
* Developed test code in Java language using **Eclipse, IDE** and **TestNG** framework.
* Involved in designing and implementing of **hybrid automation** framework to be used with **Selenium WebDriver**.
* Developed automation script for **Mobile Native applications** (IOS, Android) using **Appium**, Java.
* Examine the application for testing, data validation.
* Maintained automation scripts in **Selenium WebDriver** **with Python.**
* Provided input, oversee and review the writing of use cases and test cases.
* Worked with Testing Coordinator and others to ensure use cases and test cases are written correctly to ensure complete test coverage.
* Created End to End, Functional &amp; UAT test cases as per the requirements. Involved in production smoke testing and sanity testing.
* Test automation for web application (SWAP module) using Cucumber.
* Designed and executed the Automation Test Scripts using Selenium WebDriver and TestNG.
* Extensively worked on **Selenium WebDriver** with the preferred Languages **Python.**
* Used Selenium WebDriver and **TestNG** to run the parallel testing.
* Used **Selenium WebDriver** used to test search results of Meta search engine.
* Participated in **bug triage meetings** with developers to **validate the severity of the bug** and responsible for tracking of the testing life cycle.
* Worked on Web services using **POSTMAN** exclusively on obtaining the needed information using the **URL** approach.
* Designed **Hybrid Appium Test automation** framework for the application (Android apps).
* Used **Postman** validated REST API Web Service Call by sending JSON Request and JSON Response.
* Developed JavaScript in **Postman** tool to connect to database for automation of Web Services.
* Used **JIRA** for bug tracking and reporting, also followed up with development team to verify bug fixes and update bug status.
* Communicated feature development to the wider QA team and provide documentation where necessary
* Responsible for black-box testing, grey-box testing, regression testing, smoke testing and weekly product releases and updates
* Supported the development team in deeper investigation of issues reported and of potential fixes
* Worked closely with assigned game and tools teams to identify areas to test and construct relevant test cases
* Wrote clear reports on findings and communicated status to the wider team
* Followed priorities given by QA Lead to ensure current team wide goals are met
* Verified fixes made and co-operate in production of build/release notes and other ad-hoc duties, if necessary
* Audited existing tools, scripts, test cases, and documentation to maintain and improve processes

**Environment:** Selenium WebDriver, JavaScript, Jenkins, TestNG, XML, Python, Appium, Cucumber, POSTMAN, SOAPUI, Maven, SQL, JIRA, SQL, Oracle, TDD, Windows.

**T-Mobile Jan 2018 – May 2019**

**Role: QA Engineer**

**Responsibilities:**

* Extensively involved in all stages of testing life cycle, **Test Driven Development methodologies,** Software Development Life cycle (SDLC) using Waterfall, Agile methodologies.
* Developed and implemented **robust MVC pattern** base testing with **Selenium WebDriver** which cut down the script development time in half.
* Designed and Developed Test Cases for automated testing using Selenium, **TestNG** and **Eclipse IDE.**
* Developed test code in Java language using **Eclipse, IDE** and **TestNG** framework.
* Created **test cases**, **scripts** based on functional specification, **prepared test data for simultaneous and combined Trade testing.**
* Developed Test cases manually and generated Automation Scripts using open source tools like **Selenium** **Web Driver**, **TestNG**, **SOAP UI**, **Maven** and **Jenkins**.
* Involved in Designing & Developing data driven framework using **Selenium WebDriver, TestNG** and implemented Java Mail to send the regression result automatically.
* Created and enhanced numerous test scripts to handle changes in the objects, in the tested application’s GUI and in the testing environment using **Selenium WebDriver.**
* Developed test automation scripts using **Selenium WebDriver** for regression and performance testing of the various releases of the application.
* Performed the testing on customers my account functionalities using T- Mobile mobile application.
* Worked on **Selenium** GUI Object / element verification is done through **XPath**, **CSS** **Locators.**
* Created **XML based test suit and integrated with Jenkins Server** to execute automation scripts on a regular basis by scheduling **Jenkins** jobs in different **test environments** with different **test configurations.**
* Involved in acceptance testing using **Cucumber** and **Selenium WebDriver**.
* Involved in validating Sanity, functional, Integration and Regression test suites using **Selenium** and the request and response of the WebServices (SOA) through **SOAP UI**.
* Used **SOAP UI tool** to test SOA based architecture application to test **SOAP services** and **REST API.**
* Involved in Web Services Testing using **SOAP UI** to create and execute automated functional, regression, compliance, and load tests.
* Used **Quality Center/ALM** for bug tracking and reporting, also followed up with development team to verify bug fixes, and update bug status.
* Used **GIT** for code repositories and **Maven** for the dependencies.

**Environment**: Java, Selenium WebDriver, TestNG, Maven, Jenkins, Cucumber, SOAP UI, Eclipse, TDD, Agile, HTML, XML, XPath, JavaScript, Quality Center/ALM, Oracle, Windows.

**Auto Club Southern California (AAA) Oct 2016 – Oct 2017**

**Role: QA Engineer**

**Responsibilities:**

* Proposed and developed **selenium java automation** framework from scratch.
* Took initiative on **scrum master role** and responsible for smooth release of sprint release.
* Generating test cases using **TestNG and BDD (cucumber).**
* Performed Regression testing on new builds, every modification in the application using Selenium WebDriver.
* Java programming to build automation test scripts.
* Using **java oops concepts, collection hierarchy.**
* Expertise in documenting defects with high level of detail, accuracy, and informative recreation steps using **Quality Centre & JIRA.**
* Direct communication with onsite client for the requirement analysis.
* Reviewed **requirements** and **specifications** and provided input during requirements and specification walkthroughs.
* Used **Quality Center** to define requirements, **design test steps**, **run as test set, report, track and close bugs**.
* Executed test cases compared with expected values and pass/fail reports updated through **Quality Center.**
* Involved in **UAT Testing** and Used **Quality Center** to report bugs.
* Involved in documentation as to how to maintain and run scripts for **future enhancements.**
* Involved in developing test methodologies**, test plans** and **manual test cases** for the application and prepared **UAT test Plan.**
* Performing manual testing on different functionalities like: my account, create new membership, payments, claims, insurance questionnaire forms.
* Manually performed **back end testing** by writing **SQL queries.**
* Communicated with Manager, Team lead daily for testing efforts and sent **Status Reports** as needed like **Daily** and **Weekly.**

**Environment**: Java, Selenium WebDriver, Eclipse, TestNG, Soap UI, Cucumber, Maven, Jenkins, Agile model, JIRA, SQL, and Windows.

**Company: Traqmatix, New Delhi, Delhi Jun 2014 – Feb 2016**

**Role: Manual Tester**

**Responsibilities:**

* Created test plans & test cases for integration testing of the application and execute manual test cases and automate test scripts.
* Identified the scenarios which can be automated and wrote test scripts.
* Verified data integrity by back-end testing of the application by writing SQL queries.
* Reported and tracked the Bugs through HP Quality Center.
* Performed regression tests and load tests to identify performance bottlenecks and provided improvement recommendations for the developers and closely worked with them in the development process.
* Responsible for dealing with developers and business analysts to better understand requirements, functionality and business process for QA testing.
* Executed SQL Queries and made sure that values entered in front end is stored successfully in the appropriate data tables.
* Coordinated with the Project Team and Configuration Management Team for build release.
* Involved in Coordinating with offshore teams.

**Environment:** HP Quality Center, SQL, Oracle, Windows.

**EDUCATION:**

Bachelor science of computer in information technology (BSC-IT) from Punjab technical university, Punjab, India (Sep 2012)