**Name :Subash KC**

**Professional Summary:**

* Over **6+ years** of experience in Software Quality Assurance and Test Automation Process in IT industry and that include applications which are **Client/Server, web-based** Applications with proficiency in both **manual and automated testing**.
* Experience in both Waterfall (Software Development Life Cycle -SDLC) and Agile Project Environment.
* Experienced in Automation Testing for Web interface by using **Selenium WebDriver** performed parallel Integration Testing and System Testing.
* Automation experience using **Selenium IDE/Web Driver** and **TestNG** frameworks.
* Hands on experience in Develop Automation Scripts, Execution and Analysis Test Results using Hybrid, Keyword Driven Framework and Data Driven Framework in **Selenium.**
* Expertise in Documentation of Use cases, Test Plans, Test Scenarios, Test Cases and Test Metrics.
* Experience in using **Selenium Webdriver, Eclipse, Java and TestNG**, test frameworks in creating test scripts, test suites and HTML reports.
* Experienced in using **Maven** build tools to manage framework dependency **jar files.**
* Good Experience in writing Scenarios, Scenario outlines, feature and Step definitions using **Cucumber** for BDD.
* Good Expertise in Schedule jobs via **Jenkins (Continuous Delivery)** and **Continuous Integration** for automating the build and deploy processes allowing significant increase in test automation. Monitoring the jobs scheduled jobs.
* Experience with mobile automation using **Appium** for Android Devices using **Appium Server,** UI Automator Viewer and Emulators.
* Experience in creating and executing test cases, develop scenarios to meet software requirement using **protractor** framework to develop automated scripts to test the **UI.**
* Experienced in **Functional and Regression** Automation Testing with **Selenium** for the Web based application.
* Good experience in **Selenium** Test Environment setup expert using the entire open source tools. Excellent knowledge in writing unique **XPath.**
* Expert in Functionality Testing, Smoke Testing, Regression Testing, System Testing, Black Box Testing, Integration Testing, User Acceptance Testing (UAT), Ad-Hoc Testing.
* Experience in testing Web Services using **SOAP UI/Postman** to test the **XML** requests and the responses for each of the operations.
* Experience in using **HP ALM, Quality Center and Jira** to document the test plan/test cases and keep track of the defects.
* Experience understanding the code written in different programming languages **Java** anddatabases like **Oracle and SQL Server.**
* Excellent interpersonal skills, proven team player with an analytical bent to problem solving and delivering under high stress environment.
* Good analytical and communication skills and ability to work independently with minimal supervision and also perform as part of a team.

**Technical Skills:**

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| **Languages** | Java, SQL, HTML, JavaScript |
| **Testing Tools** | Selenium IDE/WebDriver/Grid, Soap UI, Postman, Cucumber, Appium, Protractor |
| **Test Framework** | TestNG |
| **Build Tool** | Maven |
| **Continuous Integration Tools** | Jenkins |
| **Defect Tracking Tools** | Jira, Quality Center, HP ALM |
| **Databases** | Oracle, SQL |
| **Methodologies** | Agile, Scrum |
| **Operating Systems** | Linux, Windows, UNIX |

**Professional Experience:**

**Client:** **Verizon Irving TX July 2022 to Till Date**

**Role: Test Automation Engineer**

**Responsibilities:**

* Gathered requirements and application information from Business Area Managers (**BAM**) and Subject Matter Experts (**SME’s**) and developed test cases.
* Work with the Automation team to automate test scripts using **Selenium WebDriver,** enhance the scripts, use explicit wait, synchronize the scripts, and save the time for regression testing.
* Involved in **Web Application GUI** automation using **Selenium Web Driver, TestNG, and Eclipse.**
* Developed automated test scripts using **TestNG** annotations like Group, parameter, Data provider.
* Involved in developing selenium automation framework using **TestNG.** Developed **Maven** targets to execute automation suites from command line.
* Used **MAVEN** as a build tools on **java** projects for the development of build artifacts on the source code.
* Developed **Behavior Driven Development (BDD)** scripts with **Cucumber** and written step definitions for behavior.
* Implemented scenario into step definition class and ran through runner class using different**Cucumber** options liker feature, tags, glue, dryRun, format etc.
* 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.
* Used **GIT** as version control tool, doing peer reviews and code check was done before checking the code.
* Implemented test automation scripts for mobile testing using **Appium** for Android and iOS applications.
* Developed automation scripts for Mobile Native applications on iOS and Android platforms using **Appium and Java.**
* Automated testing of reports through **Postman** scripts.
* Performed E2E testing on **Angular JS framework** using **Protractor**.
* Responsible for identifying test cases for manual and Automation with **Selenium WebDriver** for Smoke Test, Functional and Regression Tests.
* Involved in **functional testing**, **black box testing**, **negative testing**, **compatibility testing**, and **recovery testing**.
* Performed **manual testing** of each build and then regression testing on each builds using **Selenium WebDriver.**
* Wrote **CSS** Selector and **XPath** manually to work on dynamic Web Elements.
* Created data-driven automation scripts for testing **API Web Services** using **Postman.**
* Created the data driven framework using **HP Service Test and Postman.**
* Worked in Defect Reporting and Defect Tracking process using **HP ALM.** Identified, Reported and Tracked Defects using **HP ALM** test management tool.
* Developed and executed **SQL queries** to verify the proper insertion, deletion and updates into the Oracle supporting tables and cubes.
* Involved in testing the application utilizing the **Scrum (Agile)** methodology.
* Participated in daily, weekly meetings and technical reviews. Prepared reports showing the testing efforts.

**Environment:** Java, Selenium WebDriver, TestNG, Maven, Cucumber, Jenkins, GIT, Appium, Protractor, XPath, CSS, XML, Postman, HP ALM, SQL, Agile and Windows.

**Client:** **Blackboard, Boca Raton FL Sep 2021 to June 2022**

**Role: Selenium Engineer (QA)**

**Responsibilities:**

* Analyzed the **Business Requirements Document**, put input in **Test Plan** and prepared detailed **Test Cases** for new functionality.
* Developed test automation scripts using **Selenium WebDriver** for regression and performance testing of the various releases of the application.
* Developed automated scripts using **Selenium WebDriver, TestNG** in **Eclipse IDE** to perform functional and regression testing for web based applications.
* Used **TestNG**for providing parallel execution of test methods, define dependency of one test method over other method, to assign priority to test methods, grouping of test methods into test groups, parameterizing test cases using and data driven testing.
* Performed Unit testing for Java applications using **TestNG.**
* Used **Maven** to create test automation software build and execute Automation Test.
* Involved in creation of automation framework in **Selenium** **WebDriver** using behavior driven approach like **Cucumber**.
* Performed **continuous integration** of the test cases periodically using **Jenkins** and configured it to email reports during a build failure.
* Maintained the Java and selenium test source code and resources in the **GitHub** source control repository tool.
* Involved in creating developing **Appium** framework for both Android and IOS applications.
* Involved in testing the Angular based application using **Protractor.**
* Involved in writing automated scripts for Angular.JS application using **Protractor and Java.**
* Tested independent and dependant modules individually. Prepared **Test Matrix** to keep track of the requirements and the test cases.
* Prepared **Traceability Matrix** to ensure the adequate coverage of the test cases.
* **Updated Test Plans** and **Test Cases** periodically to manage changes in requirements.
* Written test scripts for Web Services using **Postman** and analyzed and passed data from Responses to next SOAP Request.
* Performed Web Services Testing and **XML** validation by creating test case suite using **Postman**.
* Used **Quality Center** to execute the test plan, track execution against the plan during testing and manage defects from inception to resolution.
* Connected to database to Query the database using **SQL** for **data verification** and **validation**. Created **SQL views to aggregate data** before moving to targeted database from legacy database to simulate results.
* Performed vastly environment on **agile** process and contributed all regarding scrum and sprint meetings.
* Worked with Developers, Business analysts and Project managers to determine requirements (H/W specs, Test Cases, Test Data).

**Environment:** Java, Selenium Webdriver, TestNG, Maven, Jenkins, GitHub, Appium, Protractor, XPath, DOM, XML, Postman, Quality Center, Agile and Windows.

**Client: Source Code P ltd. Nov 2018 to July 2021**

**Role: Test Automation Engineer**

**Responsibilities:**

* Reviewed business requirements and technical specification documents and Analyzed use cases, functional requirements to write detailed Test plans and Test cases.
* Designed and developed automated scripts for functional, regression, sanity, and integration testing using S**elenium WebDriver.**
* Contributed in developing Automation Framework that uses **Java, Selenium Web Driver and TestNG.**
* Involved in setting up configuring the testing environment with **Eclipse, TestNG, and Selenium** **WebDriver and Selenium Java client driver.**
* Developed and maintained automated regression test cases in **Selenium WebDriver** using **Java** programming
language and **TestNG** Framework
* Used **Maven** for building the Web Driver project.
* Created automation framework in **Selenium WebDriver** using behavior driven approach like **Cucumber.**
* Worked on distributed test automation execution on different environment as part of Continuous Integration Process using **Selenium Grid and Jenkins.**
* Performed Functional, Negative, Positive, Integration, Regression, Security, End-to-End, User Acceptance Testing and Back-End testing.
* Developed and Executed Test Plans and Test Cases from **Requirements** and **Specification** documents.
* Authored and Executed **Automation** and **Manual** Test Cases for **Functional testing** of various modules of the application.
* Performed the testing of Restful web services for mobile apps for the Using **POSTMAN**.
* Involved in **SOA** testing for Payments API's usin**g POSTMAN** and **Java** framework for Web Services testing.
* Used **Quality Center** for Test Management, for Functional Test Automation.
* Planned and executed Backend testing using numerous SQL Queries to verify the dataflow from the database.
* Tested the application in highly dynamic environment with sprint team using **Agile** **Methodology.**
* Created QA sizing estimated based on the changes to the web services for the scope defined in a particular release cycle.

**Environment:** Java, Selenium WebDriver, TestNG, Maven, Cucumber, Jenkins, POSTMAN, Eclipse, XPath, Quality Center, SQL, Agile and Windows.

**Client: Codebee Nepal Nov 2016- Oct 2018**

**Role: QA Engineer**

**Responsibilities:**

* Prepared Test Plan, test Cases, Test scripts and Test data for the application as well as for the database verification based on the functional requirements and test specs.
* Involved in testing various business rules User/Customer functionalities, and Change Processes.
* Setup the Automation framework using **Selenium WebDriver** to run test cases in multiple browsers and platforms.
* Developed automated script for back-end testing using **Selenium WebDriver.**
* Defined **test automation strategy**, designed automated tests, created automated test cases, test plans and executed tests using **Selenium.**
* Responsible for setting up the **framework** and **test environment.**
* Performed Integration and Regression testing to check compatibility of new functionality with the existing functionalities of the application using **Selenium.**
* Prepared user documentation with screenshots for UAT (User Acceptance testing).
* Maintained **Test Matrix** and **Project Matrix** using an excel sheet to keep track of the Project's schedule and status.
* Involved in executing all **Selenium test scripts** on different browsers and checked for compatibility.
* Involved in System-wide Integration, regression and Load testing.
* Performed active regression, load, stress, volume and **performance** testing.
* Worked in Manual and Automated testing of applications on Windows and UNIX/Linux Environment.
* Interacted with development and product management teams for the quick resolution of reported bugs and various technical issues.
* Reported defects to developer and discussed about the issues in weekly status meetings.

**Environment:** Java, Selenium WebDriver, Eclipse, UAT, Soap UI, SQL, UNIX and Windows.

**CLIENT: Ribera International pvt. Ltd June 2016-Nov 2016**

**ROLE: Software Quality Analyst**

**Responsibilities:**

* Plan, create and manage the overall Quality Planning strategy
* Participate in sprint planning meeting and work with product owner to understand the functional requirements. Also come up with ideas and suggestions to improve the product.
* Participation in designing feature spec and requirement.
* Estimating the requirements post analysis.
* Through analysis of the requirement to draft comprehensive test plan and test cases. Use tool to manage and track the test plan and test cases.
* Peer review test cases and test plan.
* Think as an end user to test the product.
* Involve in designing scripts to automate manual test sets and execute load test.
* Use tool to track the life cycle of a bug.
* Manage working on multiple features based on the priority.

**References:** Will be provided upon request.