**Gurjinder Singh**

**QA Automation Engineer**

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**Experience Summary:**

* **5 years** IT experience Full Stack automation testing which includes GUI Automation (Unified Functional Testing, **Selenium WebDriver**), API Automation (**Rest Assured, Postman**).
* Extensive working experience on all phases of Software Development Life Cycle **(SDLC), its** methodologies such as **Agile, SCRUM** andWaterfall Model.
* Experience in developing end to end automation using **Selenium WebDriver/Grid, Junit/TestNG, ANT, Maven, Jenkins, Web Services (REST, SOAP).**
* Experience in the development of **Page Object Model, Data driven, Keyword driven and Hybrid Automation frameworks** in Selenium.
* Experienced in developing and executing manual and automated tests in different platforms using **Java,** with **Selenium library.**
* Strong Experience in building **API Automation Framework** using **REST Assured, TestNG, JUNIT Maven & Cucumber.**
* Strong experience in using the Object Oriented Programming concepts of **Java, JavaScript and Python** languages in developing Automation test scripts
* Experience in using **Jenkins** as a Continuous Integration server to configure with **Ant/Maven**.
* Expertise in developing the **JavaScript** frameworks **Playwright** and **Cypress**
* Expertise in Smoke testing, Backed testing, Black-Box/White Box testing, User Acceptance testing (UAT), Functional testing, Positive/Negative testing, System testing, Regression testing, GUI Software testing, Ad-hoc testing, Boundary Value testing.
* Experience in applying Testing Methodologies, creating Test Plans, Test Automation Planning, Developing and Execution of Test Scripts, Requirement Traceability Matrix, Defect Tracking and Custom Report Generation.
* Extensive experience in Agile methodology & Scrum Ceremonies (**Backlog Grooming, Storytime, Open Close and Retrospective**)
* Proficient in Back-end Database Testing and writing **SQL queries, Joins, Procedures** using Oracle and **SQL Server.**
* Expert in using bug tracking and project management tools **JIRA, Test Rail, PractiTest, Confluence, Wiki**
* Provided process leadership and projects management within the **Quality Assurance Team**, including researching, recommending, and implementing quality process improvements and automation tools, and **mentoring** other **Quality Assurance staff.**
* Excellent experience with **source version control tools** such as **Subversion (SVN) & Git.**
* Exposure to all aspects of Testing, Maintenance, Troubleshooting and Production Support.
* Proven strongAnalytical and Problem-solving skills and great attention to details.
* Excellent experience in troubleshooting **software** applications for business functions in major areas of the business and enterprise-wide.
* Highly **motivated team player** with excellent **Communication** and **Presentation** skills, and always willing to work in **challenging and cross-platform Environment.**
* Experienced coordinating and working with offshore and onsite team (QA, Dev, PM, PO, Scrum master).

**Technical Skills:**

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| **Testing Tools** | Selenium WebDriver, Selenium Grid, TOSCA, Restful API, Postman, SoapUI JMeter, Blazemeter |
| **Languages** | HTML, CSS, Python, JavaScript, Java, C, C++, C#, XML, Ruby |
| **Testing Framework** | JUnit, TestNG, Cucumber (BDD), POM, Data Driven, PlayWright, Cypress |
| **Project Methodologies** | Agile-Scrum, Waterfall, V-Model |
| **Defect Tracking Tools** | Jira, BugZilla, TestRail, PractiTest |
| **Browsers** | Mozilla Firefox, Internet Explorer, Safari, Google Chrome, Opera |
| **DevOps Tools** | GIT Hub, Maven, Gradle, Jenkins, Splunk, New Relic, Ansible, Docker |
| **Packages** | MS-Office Suite (Word, Excel, Access), MS-Project, and MS-Visual Studio |
| **Databases** | Postgres SQL, SQL Server, MS Access, Oracle, MongoDB |

**Professional Experience:**

**Client: CIBC-Toronto , Ontario May 2021- Present**

**Role: QA Automation Engineer**

**Responsibilities:**

* Performed manual testing using different black box testing methods like ad-hoc, functional, UI, system, and regression testing.
* Performed tests based on **Agile Environment**.
* Designing automation test suites for **regression** **testing** using knowledge of java programming language and **Selenium WebDriver.**
* Involved in development of data-driven framework using Selenium WebDriver.
* Developed modular & robust automation framework using **Selenium WebDriver, Cucumber, TestNG and Java.**
* Responsible for creating customize test scripts in java in **TestNG** format.
* Implemented Data driven framework and worked extensively with **TestNG** Testing Framework. Has implemented cross browser testing and Data driven testing using @parameters and @Dataproviders annotations.
* Selected the Test Cases to be automated and performed functional testing of the front end using Selenium Web Driver& created Data Driven framework using **TestNG.**
* Performed **Selenium Synchronization** using Explicit & Implicit waits.
* Used **Selenium WebDriver** and **TestNG** to run parallel testing by creating Groups, and categorizing test cases.
* Created test reports generated out of **TestNG** and captured the error screenshots.
* Used **Postman** for API testing to verify the CRUD operations.
* Implemented Automated execution of tests (nightly and need based) using **Maven and Jenkins.**
* Developed manual and automated test cases to validate RESTful API web service.
* Used BDD Cucumber by creating the Features and Step Definition files to execute test scripts.
* REST API testing using **POSTMAN** on production post release.
* Worked on Capturing Screenshots on Failure or Pass to analyze the test failure reason. Coordinated with application team to ensure resolution of all issues and completion of work on time.
* Performed Web Services Testing and XML validation by creating test case suite using **REST ASSURED.**
* Executed tests and participated actively in system testing and regression testing.
* Worked with the **SQL** statements to extract data from SQL tables and verify the output data of the reports on the browser page.
* Used **CSS Selector** to identify objects.
* Validated soap response using various Assertions such as XPath, Contains, SOAP Fault, Schema Compliance etc.
* Partnered with development to attain optimum quality of software.
* Developed automation test cases, executed these test scripts from test lab and logged defects in **JIRA.**
* Developed generic method to make the method reusable for multiple purposes.
* Played a key role in production releases and perform UAT test of the system.

**Environment**: Selenium WebDriver, Eclipse, TestNG, Maven, Cucumber, POSTMAN, Jenkins, REST ASSURED, JIRA, XPath, SQL, Windows.

**Company: RBC-Toronto, Ontario August 2019 to March 2021**

**Role: QA Automation Engineer**

**Responsibilities:**

* Attended Sprint plan meetings, Daily standup meetings, and Reviewed user stories in Agile Environment. Gathered requirements documents such as business requirements and design document and other related documents.
* Reviewed the **Test Basis**, **designed** and documented **Test Strategies, Test Plan, Test Cases** and **executed test cases.**
* Responsible for writing and maintain **Selenium WebDriver** scripts for regression and **functional testing** using **data driven framework.**
* Developed test code in Java language using **Eclipse, IDE** and **TestNG** framework.
* Involved in design and implementation of **Selenium WebDriver** automation framework for smoke and regression test suites (TestNG and Maven).
* Involved in testing the application utilizing the **Scrum (Agile)** methodology.
* Involved in designing of **automation framework** to be used in UI testing with **Selenium.**
* Execute browser compatibility and regression tests using **Selenium WebDriver** for testing UI for every new build release.
* Performed functional tests using **Selenium WebDriver** with data driven framework and documented final results in a database.
* **Identified, Reported** and **Tracked Defects** using **JIRA** test management tool.
* **Manually tested**, **verified** and **validated** that the product meets user requirements.
* Tested Web API using **Postman** to check if the API's are returning the data in JSON, XML format, and documented APIs using Swagger Tool.
* Worked with **SOA** architecture which includes **RestFul Web Service** Testing.
* Developed and executed **SQL queries** to verify the proper insertion, deletion and updates into the Oracle supporting tables and cubes.
* Performed SOA / web services testing using **SOAP UI**; wrote adaptors to test / invoke web services.
* Reviewed database test cases according to assigned Requirements to validate reports by retrieving data with complex **SQL queries** from oracle database.

**Environment:** Selenium WebDriver, TestNG, Jenkins, Cucumber, Agile, SQL, Maven, DHTML, SOAP UI, XPath, POSTMAN, Eclipse, JIRA, HTML, GitHub, Windows 7.

**Company: Capgemini- Hyderabad, India June 2017 to April 2019**

**Role: QA Engineer**

**Responsibilities:**

* Extensively involved in all stages of testing life cycle, Test Driven Development methodologies and Software Development Life cycle (SDLC) using Agile, Scrum methodologies.
* Analyze business requirements, Software requirement specifications to create test plan and test cases for manual and automation testing using **Selenium WebDriver, TestNG.**
* Developed and maintained automated regression test cases in Selenium WebDriver using Java programming language.
* Involved in creating automation test suites for progression & regression testing in Soap UI. The messaging formats included **REST** based clients with XML and JSON payload.
* Used Apache POI to read data from Excel sheet.
* Involved in writing automated scripts for angular JS application using protractor and Java scripts.
* Responsible for attending the daily meeting regarding the status of the Application on daily basis in the **Agile** Environment.
* Developed test scripts to automate process of testing in **Selenium WebDriver.**
* Defined and executed functional, usability, regression and automation tests on the application.
* Extensively worked with Version Control Systems **GIT.**
* Involved in Design and Development of hybrid automation framework using **Selenium.**
* Wrote acceptance test using **BDD Cucumber, Java.**
* Performed usability, GUI, Functionality and regression testing of the new builds.
* Performed continuous integration automation testing using **Jenkins.**
* Status reporting and test updating in **Quality Center.**

**Environment**: Selenium WebDriver, Agile, TestNG Framework, XPath, Cucumber, Web Services (RESTFUL, JSON), JavaScript, Windows, IOS, Jenkins, SOAPUI, page-oriented model (POM), SQL, Windows.