Edison Edward

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**Professional Summary**

* Around **6 years of IT experience** as QA Engineer involving in all phases of **Software Test Life Cycle** (STLC) and methodologies such as **Agile, SCRUM and Waterfall Model**.
* Proven ability in designing and creating automation frameworks for J2EE based applications using **TestNG, Selenium WebDriver/IDE, Maven, Jenkins, Appium, Cucumber, POSTMAN, and REST ASSURED**
* Experienced in making Data Driven and MVC Framework to maintain Test Suites.
* Extensively worked on **Selenium WebDriver** with the preferred Languages **Java.**
* Experienced in using Maven build tools to manage framework dependency jar files.
* Extensive experience in JIRA, Selenium WebDriver, Maven, TestNG, **Log4j**, **Rest API Testing** (**Postman and Rest Assured Automation**), Git, Database Testing using JDBC API and Jenkins.
* Proficient in using industry-leading automation tools such as Selenium WebDriver, **Cucumber**, and JUnit to develop and execute automated test scripts.
* Strong understanding of software development life cycle (SDLC), **TDD** & experience working in Agile development
* Skilled in implementing continuous integration & continuous delivery (CI/CD) pipelines using tools like **Jenkins & GitLab**.
* Extensive knowledge of testing methodologies and best practices, including **test planning, test execution**, **defect tracking**, and **reporting**.
* Experience in conducting testing types, including **functional testing, regression testing, performance testing, API testing**
* Strong understanding of database concepts and experience in testing **database-driven applications**.
* Excellent problem-solving skills and ability to think analytically to identify root causes of issues & propose solutions.
* Excellent communication & interpersonal skills, ability to collaborate with **cross-functional teams & stakeholders**
* Experience in creating test automation frameworks and maintaining test scripts for scalability and reusability.
* Familiarity with **version control systems** such as Git for managing test scripts and test data.
* Knowledge of cloud-based testing tools and platforms, such as **AWS Device Farm** and **Sauce Labs**.
* Experience in conducting **mobile testing** on different platforms and devices.
* Experience in working with offshore teams and managing distributed testing efforts.
* Expertise in documenting defects with high level of detail, accuracy, & informative recreation steps using **Quality Center/ALM, JIRA.**
* Understanding and experience with technologies including Java, SQL, HTML, XML, VBScript and JavaScript.
* Excellent experience with source version control tools such as **Subversion (SVN)** & **Git.**
* Expertise in back-end testing and writing **SQL queries**, Joins, Procedures using Oracle and SQL Server.

**Skills**

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| * **Testing tools:** Selenium WebDriver/IDE/GRID, Appium, Cucumber, Maven, TestNG * **Tools:** Jira, Git, GitHub, JDBC Driver, Apache POI, Jenkins, ALM, Log4j, Quality Centre, Bugzilla * **Frameworks:** TestNG, JUnit, Jasmine. * **Languages:** Java, SQL, HTML, CSS, XML, XPATH, JSON * **IDE:** Eclipse, IntelliJ, Visual Studio * **RDBMS:** Oracle, MySQL, PostgreSQL * **API Testing Tools:** REST Assured, POSTMAN. | * **API Testing Tools:** REST Assured, POSTMAN. * Web and Mobile Application QA * Automation testing, Manual testing * Performance Testing * White Box Testing, Black Box Testing * Test Plans and Test Methodologies * Cross-Functional Team Collaboration * Agile Methodology : Scrum |

**Experience**

QA Automation Engineer Jan 2022 to Current

East Coast Credit Union － Halifax, NS

* Analyzed the system requirements and developed detailed test plans and test cases and provided the documentation
* Collaborated with product management teams in agile to develop a comprehensive tests for web applications
* Worked on the framework using Selenium WebDriver, Java, TestNG, Maven, Jenkins, Apache POI and patterns including Page Object and Dependency Injection
* Involved in various meetings with Business analysts and developers
* Functional testing, Regression Testing using selenium with Data-driven framework & Key- Word driven framework
* Created automation test scripts using data driven framework and Page Factory model to test the web applications
* Expertise in using Selenium Grid to run test scripts on different platforms and against different browsers in parallel
* Used Jenkins to execute the test scripts periodically on Selenium Grid for different platforms like desktop, & mobile
* Performed Cross browser testing & parallel testing on Chrome, Firefox & Safari using TestNG and Maven on Selenium grid
* Expertise in grouping of test suites, test cases and test methods for regression and functional testing using TestNG Annotations like Groups, Parameter, Data Provider and Tags
* Utilized Maven to manage dependencies for test execution, plug-ins & created profiles of grouped test cases
* Integrated Jenkins with version controller (GIT) and scheduled builds to run automatically during a build release
* Involved in developing BDD Framework from Scratch
* Used BDD framework to develop Cucumber Step Definitions, Scenarios and Features using acceptance criteria
* Utilized Apache POI jar file to read test data from the excel spread sheets and load them into required test cases
* Managed Jenkins for weekly Build, Test, & Deploy chain, SVN/GIT with Dev/Test/Prod Branching Model for releases
* Handled Selenium Synchronization problems using Explicit & Implicit waits during regression testing
* Expertise in mobile automation using Appium, selenium, java in both Android and IOS
* Executed test cases in real device for both mobile app and mobile website
* Thorough in Automation tools Selenium WebDriver, TestNG, Eclipse, Git/GitHub, Jenkins, and REST with POSTMAN
* Responsible for all aspects of testing of Mobile applications related to network and as well BSS/OSS
* Worked with AWS cloud machines to setup selenium GRID and Jenkins server on HUB machine
* Used the Rest Assured java library to automate Restful Web services
* Wrote object-oriented JavaScript for transparent presentation of both client- and server-side validation
* Shared Daily Status Reports with all the team members, Team Leads, & Managers

**Environment:** Selenium WebDriver, RC Web Driver, Cucumber, Eclipse, JIRA, MySQL, Oracle, Java, JavaScript, Cucumber, ChroPath, Restful API Testing, Rest Assured, JUnit, TestNG, Firebug, XPath, Windows.

QA Automation Engineer May 2020 to Dec 2021

The Co-operators Group － Waterloo, ON

* Participated in daily SCRUM meetings, sprint planning sessions, sprint review meeting and product backlog discussions in an effort to estimate and communicate outstanding tasks and deliverables
* Developed and automated Regression Tests, created Behavior- Driven Framework using Cucumber
* Responsible for preparation of Test cycle progress reports, analysis of defect metrics & implement improvement actions for next iterations
* Created data driven automation scripts for testing API Web Services using Postman and Rest Assured
* Worked on Quality Center for requirements management, planning, scheduling, running tests, & defect tracking
* Performed functional testing to identify critical points & automated it by Selenium Web Driver.
* Involved in functional testing as Unit test & Integration testing using TestNG methods.
* Performed smoke tests, regression tests and functional tests with manual and automation testing
* Maintained and executed Maven build files for running automated tests.
* Created and maintained automation acceptance test suite using Selenium, Java and Cucumber framework.
* Facilitated Continuous Integration for scenarios tagged as Sanity & Regression and continuous delivery including GitHub and Jenkins to increase test coverage and leverage nightly builds
* Prepared user documentation with screenshots for UAT using Selenium Screenshots.
* Used Bugzilla for defect documentation and sending it to developer to fix and proper management of test bugs
* Worked with AWS Cloud machines to setup Selenium GRID and also Jenkins server on HUB Machine

**Environment:** Java, Selenium WebDriver, TestNG, Maven, Cucumber, Jenkins, Rest Assured, Postman, Eclipse, GitHub, XPath, HTML, Quality Center, Bugzilla, SQL, Agile and Windows.

QA Engineer Dec 2018 to Apr 2020

OpenText － Guelph, ON

* Developed and maintained automated regression test cases in Selenium WebDriver using Core Java
* Designed, executed and maintained Selenium Web Driver (TestNG) automated test cases for regression test cases
* Executed parallel browser testing on various machines using Selenium Grid and performed cross browser testing
* Involved in setting up Smoke and Regression automation suite using Selenium WebDriver
* Enhanced Regression Test Cases to implement testing scenarios, increased permeations of Functionality Testing
* Analyzed system requirements and develop test plan for End-to-End testing
* Wrote tests using Java web applications
* Web controls testing - wrote automation to test the controls from end to end starting to invoke in Internet Explorer
* Used XML to set up the application environments for automation scripts
* Extensive involvement in performing Data Driven test using parameterization technology
* Performed TestNG framework testing and created Traceability matrices
* Used GIT to check-in the code and Jenkins to build new jobs
* Created Test Cases, Test Scenarios in Quality Center ensured traceability to Business Use Cases according to application
* Used REST API – Rest Assured for checking the correct transmission of data and to test web services
* Worked with SQL queries for data verifications in Oracle database
* Involved in the Agile Sprint planning, Agile sprint retrospective and brainstorming sessions

**Environment:** Java, Selenium WebDriver, Rest API, Rest Assured, Quality Center, Jenkins, TESTNG, Git, SQL, XML, Agile, Windows.

QA Tester Oct 2017 to Nov 2018

Rogers Communications － Burnaby, BC

* Developed Manual test cases to test the functionality of the application
* Formulated detailed Test Plan, Test Cases and Testing Procedures, which included Test Cases/Scripts, performed configuration/ compatibility and user interface testing manually
* Performed Smoke Testing and Sanity Testing manually
* Created test cases manually to perform different types of testing such as positive & negative, functional & regression, interface, black box, batch testing, screen navigational testing, smoke & sanity testing, unit testing, performance testing, exploratory testing & Backend testing
* Involved in writing test scripts manually and tested manually as per the specification documents
* Generated Test Traceability Matrix (TTM) to show the test case execution status
* Created RTM and performed Gap Analysis to ensure the requirement coverage
* Used SQL queries to validate the data between the backend and the frontend
* Participated in conducting System testing and End to End testing manually

**Environment:** Manual Testing, SQL, Oracle, UNIX, Windows

**Education and Training**

Post Graduate Diploma, Information Technology May 2017

Lambton College of Applied Arts And Technology － Toronto, CA

Bachelor of Science, Information Technology Jun 2012

Mahatma Gandhi University － India

**References**

Reference available upon request