**QA Automation Engineer (SDET)  
Name: Tamilselvi Mathesan**

**Email: Mathesantamilselvi18@gmail.com**  
**Phone: 484-519-1581**

***PROFESSIONAL SUMMARY***

Quality Analyst Automation Engineer with **8+ years** of experience in Information Technology, with specializing in Manual and Automation Testing and proficient in testing Web Based Applications.

* Experience in the area of software testing (Manual and Automation) with a solid understanding of Test planning, Test Design, Test Execution and Defect Reporting & Tracking.
* Strong knowledge in implementing Waterfall, Agile (Sprint/Scrum) Methodology by analysing requirement specifications and responsible for developing Test Objective, strategies, Scope, Test procedures and Test Matrices.
* Experience in all the phases **of STLC (Software testing life cycle)** includes, Test planning, test designing, test execution, test closure.
* Strong experience in Automating web applications using Selenium web driver with **TestNG framework**.
* Writing test cases using **Element locators, web driver methods, Java programming** features and **TestNG annotations.**
* Experience in Mobile Testing using tools like **Appium.**
* Experience in testing stand-alone, client server and Web based applications using manual testing techniques.
* Experience in different acceptance testing types such as, **Smoke testing, Functional testing, regression testing**, Positive testing, negative testing, black box testing, backend testing, GUI testing, UAT (User acceptance testing) Some of the non-functional testing are load testing and stress testing.
* Experience in various specification-based test design techniques such as equal partitioning, boundary value analysis, decision table, state transition, and use case testing.
* Experience in develop and maintain the artifacts such as test plan document, test case document, updated the RTM (requirement traceability matrix), **test Summary report, bug report, user stories, backlogs**.
* Experience in manual and automated testing tools including Mercury interactive tools such as QTP (Quick test professional)/UFT (unified functional tester), Win Runner and Load Runner.
* Experience in defect management tools or test management tools such as **JIRA, ALM/QC (Quality Center**) in manual testing.
* Experienced in designing, developing, enhancing automated test scripts for Selenium components using Java.
* Experience in Automation tools such as **Selenium WebDriver, Java Eclipse, Cucumber, TestNG** (regression tests).
* Experienced in making **Data Driven, Keyword Driven, and Page Object Model frameworks** with Selenium to maintain test suite.
* Expertise in using different Spying tools like **Firebug and Fire path element as a Firefox add - on for addressing web elements using locator's ID, Class name, CSS Selector, Xpath etc.**
* Experience in **Mobile APP testing on Android**, iPad and iPhone, **Emulator, Simulator** to perform Mobile App testing, phone functionality and native app testing.
* Working knowledge **of Behaviour Driven Development** (Features, Scenarios) with Cucumber.
* Experienced with test automation for and web services using SOAPUI.
* Experience in cloud technologies like AWS, Azure
* Experienced with **SQL and Oracle**, PL/SQL, to run the data integrity tests for and JDBC establish connectivity between the Java Programming language and a wide range of databases.
* Experience in **OOPS (Object Oriented Programming System)** concepts those are Abstraction, Polymorphism, Encapsulation and Inheritance.
* Identified **GUI elements** and perfect with different Selenium locators like ID, Link Text, Name, Partial Link Text, XPath, DOM and CSS to create the scripts of Automation.
* Motivated team player with excellent analytical, communication, written and presentation skills.

***TECHNICAL SKILLS***

**Testing Tools:** Selenium IDE, Web Driver, SOAP UI, Eclipse, Load Runner, JMeter, Cucumber

**Testing framework:** Data Driven, Junit, TestNG, Selenium, Rest Assured, Protractor

**Defect Tracking Tools:** Jira, Rally

**Languages:** Java, JavaScript, Gherkins, PL/SQL, SQL.

**Project Management:** Microsoft Office (Word, Excel), Microsoft PowerPoint, MS Access, Agile & Waterfall.   
**Browsers:** Internet Explorer, Firefox, Chrome & Safari

**Operating System:** Windows XP/7/8/10 & server 2003 and Mac.

**Continuous Integration Tools:** Jenkins

**Version Tools:** GIT and SVN

**Cloud Technologies** – AWS, Azure

**Testing Methodologies:** Smoke Testing, functional testing, GUI testing, regression testing, database testing, end to end testing, retesting, performance testing.

***EDUCATION & CERTIFICATIONS***

* Master of Computer Applications (MCA( from Anna University, INDIA - 2010))
* Sun Certified Java developer
* ISTQB Certified

***PROFESSIONAL EXPERIENCE***

**Deutsche Bank, NC - Remote  
QA Automation Engineer | Jan 2022 - Present**

**Responsibilities:**

* Designed and Developed Test plan and test scripts based on **BRD** and **User Stories**.
* Created Test cases and uploaded to QC using excel add-ins.
* Involved in Smoke Testing, **Regression Testing, Functional Testing**.
* Logged the defects in JIRA in order to perform defect lifecycle.
* Involved in defect **review meetings, weekly status meetings** and **walkthroughs** and interacted with Business Analysts and Developers for resolving Defects.
* Performed parameterization of elements.
* Performed **Front end** and **Back-end testing** of all the modules using Manual as well as Automation Testing techniques.
* Prepared automation test scripts to validate various functionalities using **Selenium** **Web Driver** using **Java** and **TestNG**.
* Developed Test Scripts to implement Test Cases, Test Scenarios, and features for **BDD** (Behaviour Driven Development), **TDD** (Test Driven Development) using **Cucumber** with Java.
* Involved in Automation Infrastructure Development using **Eclipse IDE, Java, Selenium** Jars and **TestNG**.
* Used **Selenium Web Driver** in parallel testing.
* Written and executed **SQL queries** and Joins, Group by Clause, Having Clause etc. to validate the data.
* AWS,Docker,Monitoring,cloud admin,ansible,terraform.
* Performed Cross browser testing and parallel testing on **Chrome, Firefox, IE browsers** and **Safari** using **TestNG framework**.
* Worked on the default issue type scheme which automatically stores the newly created issues in JIRA.
* Worked on the agile scrum issue type scheme in **JIRA**.
* Worked on the features of agile scrum issue type scheme like epic, story, bug, improvement in JIRA.
* Monitoring the defect life cycle, generating customized graphs and reports for the client, using Jira.
* Participate in developing and documenting User Stories, including testing estimates and validation tests using tools like Jira, Intellij, Cucumber, Gherkin, Postman, Swagger, Gradle, Mvn, Splunk, Git, Stash,Amazon web services (AWS)
* Used Jira record documenting information useful in **debugging process**, **evaluating test data**.
* Used Jira for reporting and tracking bug and generating reports.
* Executed Test Cases recorded in **HP Quality Centre** manually to test the application for its functionality, system integration and verify the Exit Criteria.
* Actively participated in walk-through, inspection, review and user group meetings for quality assurance with BAs, SMEs and Developers.

**Environment:** Java, Windows, Oracle, and Jira, SQL, AGM, JIRA, Selenium Web Driver, Cucumber, Hybrid Framework, TestNG, SoapUI, Agile, Aws, JMeter, PL-SQL, HTML, JavaScript.

**Comcast, Philadelphia, PA  
QA Engineer | Mar 2020 – Dec 2021**

**Responsibilities:**

* Reviewed requirement documents, system documents to ensure technical accuracy, completeness and compliance.
* Participated in design reviews to provide inputs on functional requirements, product designs and schedules.
* Conducted **UI testing, Functional testing, Regression Testing** and verified the results with expected results using Traceability Matrix.
* Configured facets modules such as **Claims, Membership, Billing, Benefit** and **plan**
* Used **Rally** as the defect-tracking tool. Updated **Rally** with all the changes made to the test case and closed it when all the requirements were met as specified.
* Developed **API automation** using **Rest Assured** framework.
* Also, manually tested **endpoints** developed on **rest protocol** using postman.
* Test the web modules flow and improve the script performance using **Selenium find elements.**
* Extensively used **Selenium APIs** such as taking a Screenshot for Capturing Failed test cases, select for selecting multiple values from list, **Action** for various key and **mouse event**, by with different Locators (X**Path, CSS, id, Link text**).
* Regression testing by automation using **Selenium WebDriver & JAVA**.
* Using knowledge of **SQL and database** query tools like Oracle SQL Developer, to perform data validations for Backend testing.
* Implemented **Page Object Model** Automation framework with Java, Selenium WebDriver and Cucumber.
* Created the test Suites, test cases and test steps in SoapUI.
* Used post, put, get and delete properties in SoapUI.
* Utilized knowledge of **XML** and experience of **SOAPUI** tool in Web Services testing in multi-tiered application architecture.
* Coordinated with other cross team to ensure the newly developed features **function End-to-End**.

**Environment**: Java, JavaScript, Selenium, Cucumber, Jenkins, Junit, WebDriver, SOAP, REST, XML, ANT, SQL.

**First National Bank, Pittsburgh, PA  
QA Tester | May 2017 – Feb 2020**

**Responsibilities**:

* Analyzed business requirements and developed Test cases based on Stories to evaluate the functionalities part of the **AGILE Team**.
* Extensively involved in all stages of testing life cycle, **Software Development Life cycle (SDLC)** using Waterfall, Agile methodologies.
* Responsible for Setup the automation framework using **Selenium WebDriver**.
* Executed **Selenium Web Driver + Java** automated test scripts using Maven build tool.
* Developed Internal Framework Used Selenium **Web Driver (Java & TestNG) APIs**.
* Created data-driven automation scripts for testing **API Web Services** using **SOAP UI**.
* Identified the Test Data required and maintained for Unit Tests for **Users, Order, Products, Tracking** and **Auditing information** for a **Web Application**.
* Executed **JMeter** Scenarios to perform **performance, Stress and scalability tests**.
* Experience in unit testing for Java applications using Testing and Junit.
* Reviewed extensive **SQL Queries** with complex multi-table joins and nested queries.
* Executed **UNIX shell scripts** for validating some of the batch programs on the **QA Server**.
* Worked on functional, regression, and implementation testing of all the file formats.
* Create Test plans, test conditions and Test cases using Requirements and Design documents.
* Defects found tracked and managed in Rally and disposition in defect scrub meetings.

**Environment**: Java, Selenium Web Driver, TestNG, JMeter, Jira, HTML, CSS, Cucumber, SOAP UI, AGILE, SQL, Oracle and Windows.

**3M, Chennai, India**

**QA Tester | Feb 2014 – Nov 2014**

**Responsibilities**:

* Involved in various stages of development of the project starting from the project planning until production and maintenance using agile methodology.
* Used **JIRA extensively** to track and test the user stories and filed bugs in agile environment.
* Performed functional testing to identify various critical points in the application and automated it by using **Selenium Web Driver with TestNG**.
* Participated in daily meetings, generating reports and documentation to contribute to the establishment of standards and procedures for software testing.
* Provided back end testing for database auditing and data validation using **SQL scripts**.
* Wrote modification requests for the bugs in the application and helped developers to track and resolve the problems.
* Modified and updated **Automation scripts** when developers change the code in Agile Environment.
* Used **SQL programming** in backend and front-end functions, procedures, packages to test business rules and security.
* Automated the regression test cases using the **WebDriver & TestNG**.
* Integrated **TestNG** with **Selenium** using **Eclipse** to generate test execution result.
* Test data required for the automated test scripts are created in MS Excel.
* Developed documentation for Automation Scripts and Libraries.

**Environment**: JIRA, TestNG, Java, Selenium, Web driver, MS Excel, MS Word, SQL, Maven, Windows.

**HCL, Chennai, India   
QA Tester | Apr 2012 – Jan 2014**

**Responsibilities**:

* Drafted Test Plan including test objectives, test phases, scenarios and test environment after an analysis of the business rules and discussed ambiguities with business analysts.
* Performed **Functional testing, Integration testing, Regression testing, System testing** and compatibility testing, Unit testing.
* Worked with other QA in Unit Testing tasks, Trading Partners for connectivity issues.
* Liaison between customers and corporate staff or between IT and Business Units as well as performing **system matrix testing.**
* Also performed impact analysis. Work with trading partners, clients, management, technical and non-technical personnel to create use cases and system validation artifacts and testing documentation and performed medical coding testing
* Involved in Backend Database manual testing in **Oracle using SQL**.
* Developed **SQL scripts**, to implement business rules Manually performed integration and Regression testing, documented bugs and worked with development team to resolve issues
* Performed Load, stress and Performance Testing.
* Designed Test cases, test plan creation and Companion Guide development from stage to production, including both internal and external requirements.
* Used the functions and actions in **QTP/UFT** and performed batch testing.

**Environment**: UML, Quality Centre (QC), MS Visio, MS Outlook, UNIX, SQL, Page Factory, MS SQL Server, SoapUI, MS Office, SQL Server Profiler.