Naeem Muhammad
SENIOR QA AUTOMATION ENGINEER

# PROFESSIONAL SUMMARY:

* 8+ Years of QA experience in Software analysis, Software Quality Assurance Testing of Web, Windows, Web Services, Client/Server applications and databases in a wide variety of projects and industries, including Banking, Insurance, Retail, and Marketing.
* Experience with focus on analyzing system functionality, design and implementation of QA testing methodology and extensive use of all QA and Object-Oriented practice to design test automation framework.
* Extensive experience in Software Development Life Cycle (SDLC), Software Testing Life Cycle (STLC) and Defect Life Cycle (DLC) Professional software experience in Designing and Executing Test Cases and writing Test Scenarios by analysing the requirement document.
* Experience in working with an open source tools Selenium (Selenium IDE, Selenium RC, Selenium Grid and Web Driver), Cucumber, JUnit, JIRA and Eclipse. Expertise in Test automation using Selenium.
* Experience in Smoke Testing, Backed end Testing, Black-Box Testing, User Acceptance Testing (UAT), Functional Testing, Positive/ Negative Testing, System Testing, Regression Testing, GUI Software Testing, Ad-hoc Testing, Cross Browser/ Cross Platform Testing, UI Validation, Web Services, Boundary Value Testing.
* Experience in Software Development Engineer in Test (SDET) focused on testability, robustness, performance and creation of designs for production software.
* Experience in Designing & implementation of Automation Frameworks including TDD, BDD, data driven, keyword driven, and hybrid using Selenium Web Driver, C#, JavaScript.
* Experience in working with open source tools Selenium (Selenium IDE, Selenium RC, and Selenium Web Driver), Eclipse and preparation of automation test framework.
* Experience in Core Java, development by applying different concepts like OOPS concepts, Collections, String s, Exception handling, Multithreading etc. and experience in Groovy and JavaScript.
* Experience in DevOps, installing, configuring and integrating Automation scripts on Continuous Integration tools (CI/CD) like Jenkins for nightly test suite.
* Experience in Cucumber with Java & Developed Test Scripts to implement Test Cases, Test Scenarios, behavioral features and step definitions for BDD (Behavior Driven Development), TDD (Test Driven Development) using Cucumber.
* Involve in designing and developing UAT Regression automation script and Automation of functional testing framework for all modules using Selenium Web Driver.
* Well versed in Web Services Testing using SOAP and REST based web services to create and execute automated functional, regression, compliance tests.
* Good knowledge on Junit, TestNG framework for Unit testing, Maven, Gradle and Ant for Project building tool, Jenkins, Hudson, Team City, Cruise Control for Continuous Integration.
* Proficient in Bug Severity analysis, Bug tracking and Bug Reporting, by prioritizing issues on the basis of important, urgent, hot fixes using Defect Management tools like HP ALM Quality Center (QC), Bugzilla, JIRA, Clear Quest, and Test Director. Sending Automation status reports on Daily, Weekly basis and coordinating with teams for any issues
* Experience in coordinating with business analysts for reviewing Business requirement documents (BRD) and software requirement documents (SRD) for creating test cases and for executing test cases and coordinated with developers for fixing defects.
* Maintained the Selenium & JAVA automation code and resources in configuration management tools like GitHub/SVN repository over the time for improvements and new features.
* Experience in UFT - VBScript programming standards and developed reusable functional libraries, handling custom objects, exception handling/Recovery Scenarios in UFT and also familiar with String functions, Date functions, Math functions and other related UFT function.

# TECHNICAL SKILLS:

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| Testing Tools | Selenium IDE/RC/WebDriver/GRID, Quick Test Pro (QTP), Test Link, Test Manager, Jbehave, Cucumber |
| Languages | JAVA, HTML, XML, PL/SQL |
| Web Technologies | HTML, XML, CSS, DHTML, Angular JS, Node.JS |
| Scripting | Shell, JavaScript |
| IDE | Eclipse, SQL Developer |
| Test Framework | Junit, TestNG, Data Driven Framework |
| Web Debugging Tool | XPath, Firepath, Firebug |
| Build Tool | Ant, Maven |
| Processes | Agile-Scrum, Waterfall |
| Bug Tracking Tools | JIRA, Quality Center (QC), BugZilla & IBM Rational Team Concert (RTC) |
| Continuous Integration Tools | Jenkins, Hudson, Cruise Control |
| Version Control |  SVN, GIT  |
| Data Bases | Sql, Oracle |
| Operating Systems | Windows (XP, Vista & 7, 8) Linux, Mac |

## Professional Experience:

BAnk of america – New york Nov 2016 –Current

**Senior QA Automation Engineer**

Bank of America Financial Corporation is a bank holding company specializing in credit cards, auto loans, banking and savings products headquartered in Charlotte, NC. Its principal business segments are Local Banking and National Lending. Local Banking includes consumer, small business and commercial deposits, and lending conducted within its branch network.

RESPONSIBILITIES:

* Responsible for Assisting Lead with effort estimation related to the testing of an application, Collaboration and content management: Agile Lifecycle Management, Confluence, ERP, GitHub.
* Attended weekly Project Status Meeting with Development team and QA Manager, and worked closely with QA Manager to define Test Scope, Gap Analysis, Risk, Dependency and Constraints.
* Created test scripts and initiated reviews with QA's and Technical Leads.
* Involved in creation of automation framework in Selenium Web Driver using data driven and Page object driven approach.
* Configured Selenium Web Driver, TestNG, Ant tool and created selenium automation scripts in java using TestNG prior to agile testing.
* Collaborated with product management teams in an agile environment to develop a comprehensive set of tests for web-based applications.
* Developed Test Plan and Test Cases from various documents - User Story, Use Case, Functional Requirement Document (FRD), and Design document.
* Involved in Unit Testing, Integration Testing, REST API Testing, Functional Testing, Regression Testing, and UAT.
* Expert Test Engineer in developing, debugging, troubleshooting, resolving issue in development, integration, test, and production environment.
* Configured Selenium WebDriver, TestNG, Maven tool and created Selenium automation scripts in java using TestNG prior to agile release.
* Developed the features, scenarios, step definitions for BDD (Behavior Driven Development) and TDD (Test Driven Development) using Cucumber, Jerkin and ruby.
* Use Gherkins Syntax to test the behaviors of the Application (BDD) using Cucumber with JUnit, Maven, UFT (Client)/ Selenium (Web) and with java language.
* Work with the Automation Engineer team to identified element with UFT (Client app) and using Xpath for Selenium (Web app), developed script with java programming language.
* Write the functions for business logic enhance the scripts and synchronize, debugging the scripts and save the time for regression testing, smoke, and sanity testing.
* Prepared Test Plan, test Cases, Test scripts and Test Metrics for the application as well as for the database verification based on the functional requirements, portal redesigned and test specs.
* Responsible for building libraries Test Strategy Driven Automation Framework and maintained an automated regression test suite using Selenium.
* Developed ATDD Automation framework using Cucumber Features, Scenarios and Step Definitions.
* Scheduled jobs using Jenkins to run at regular intervals for smoke and regression testing for all the environments achieving CI/CD.
* Performed Java API testing using Java and TestNG. Also performed parameterized testing using TestNG.
* Performed data driven testing by using JDBC as a data source in SOAP UI and configured SQL queries to fetch data from the Oracle database.
* Worked on Automation frameworks using Jenkins, Maven, TestNG, SVN, Eclipse, Java & Web driver to perform load and performance testing.
* Configured Selenium WebDriver, TestNG, Maven tool and created Selenium automation scripts in java using TestNG prior to agile release.
* Designed and implemented automated testing tools and programs addressing areas including database impacts, software scenarios, regression testing, negative testing, error/bug retests and usability.
* Designed web-tools using PHP, JavaScript, J query and MySQL integrated with GIT and SVN for automation test case management and reporting.
* Creates IV&V QA reports which encompass IV&V audit review findings (ARF), and audit non-conformances (ANC), as well as release highlights.
* Experience in IV&V (Independent Verification and Validation) to Validate to evaluate documents, plans, code, requirements, and specifications.
* Developed Test Frameworks in Selenium for UI Regression Test Automation and when necessary, and potentially execute Unit Test Automation (Java /TestNG).

## Staples Inc. - Framingham, Ma Aug 2014– Sept 2016

## Senior SOFTWARE qa engineER

Staples, Inc. is an American multinational [office supply](https://en.wikipedia.org/wiki/Office_supply) retailing corporation. It currently comprises over 1,500 stores in North America. Headquartered in [Framingham, Massachusetts](https://en.wikipedia.org/wiki/Framingham%2C_Massachusetts). Staples helps the world work better with work solutions that deliver industry-leading products, services and expertise across office supplies, facilities, break room, furniture, technology, promotional products, and print and marketing services.

RESPONSIBILITIES:

* Involved in planning testing process with Business Analysts (BAs), Project Manager (PMs), Developers, Stake Holders for the entire project.
* Worked with QA Lead in business requirements and specifications analysis with Requirement Traceability Matrix in order to prepare appropriate Test Plan and Test Cases.
* Also challenged to take QA Lead in Business in the absences of manager and updating and monitoring tasks performed by the QA Team.
* Developed and maintained automated regression test cases in Selenium Web Driver using Core Java programming language.
* Understand and follow the standard development lifecycle with respect to planning and developing testing specifications and implementation of test automation.
* Implemented automation framework using TestNG, Maven, Sauce Labs and Selenium Grid. Enabled test execution in parallel. This reduced the testing time from hours to a few minutes.
* Implemented a Link Checker code to test response codes of the URLs. This code was implemented using TestNG and Maven. This was considered one of the major value additions by QA and Project Managers.
* Automation of REST API calls to fetch and create test data and to interact with different APIs. Tested various Salesforce applications transferred to Salesforce.
* Involved in web and windows projects, with both C# and VB.NET using Coded UI automation tool. The entire Ruby scripting done using Cucumber framework wrote and executed SQL.
* Developed new and updated existing Automation test cases using selenium Web Driver and TestNG, using SVN as VCS for Java based web application, using Maven as Build tool.
* Worked on distributed test automation execution on different environment as part of continuous integration process using Selenium Grid and Git.
* Involved in designing and building automation frameworks in support of continuous integration in a test-driven development (TDD).
* Experienced with Salesforce testing services to help enterprises validate their customized Salesforce functionalities and integrations with other enterprise apps.
* Developed Test Frameworks in Selenium for UI Regression Test Automation and when necessary, and potentially execute Unit Test Automation (C# /TestNG).
* Involved in preparing a report of all automation difficulties and test results for further application using Maven. Developed Test Frameworks in Selenium for UI Regression Test Automation and when necessary, and potentially execute Unit Test Automation (Java /TestNG).
* As part of our efforts in designing the best automated functional testing solution for Salesforce and have experience in testing applications for the Force.com platform.
* Used LR Controller for load on a server, group of servers, network or object to test its strength or to analyze overall performance under different load types.
* Created data-driven automation scripts for testing API Web Services using SOAP UI.
* Expertise in POM.xml to get required dependencies from a central repository, add plugging, ran scripts using pom.xml file. Defect logging and tracking through JIRA.
* Involved in designing and building automation frameworks in support of continuous integration in a test-driven development (TDD).

## Aetna – Phoenix, AZ Jun 2012 – Jul 2014

## QA Test Automation Engineer

Aetna is one of the nation's leading diversified health care benefits companies, serving an estimated 46.7 million people with information and resources to help them make better decisions about their healthcare. Founded in 1853 in Hartford, CT.

RESPONSIBILITIES:

* Responsible for complete user -flow feature test, verify & validation to develop Web based application.
* Follow Agile Methodology Scrum process and deliver test result on time.
* Review Sprint Backlog, estimates time, analysis requirement & Assess Testability for all requirements.
* Design test Plan, find out testing scope, strategy and test conditions Design Test using ALM.
* Developed BDD tests using Cucumber by writing feature files and step definitions using Gherkin language.
* Developed Test Frameworks in Selenium for UI Regression Test Automation and when necessary, potentially execute Unit Test Automation (Java /TestNG) prior to agile release.
* Worked with all agile development and SCRUM process throughout the entire project. Worked extensively on Soap UI for mocking the back-end web service calls.
* Involved in Automation Infrastructure Development using Eclipse IDE, Java, Selenium Jars and TestNG. Setup Selenium GRID to run Selenium scripts on different browsers.
* Create JIRA cards for all the defects found during the functional and regression testing.
* Tested compatibility of application for dynamic and static content under various cross browsers using HTML ids and XPATH in Selenium.
* As part of Automation Testing, prepared regression test suite, designed test scripts in Selenium Web Driver using Java. Service Virtualization of http, Rest, Soap protocols using CA Lisa.
* Cases and generate Test Data Collect Web Elements.
* Involved in defining test automation strategy and test scenarios, created automated test cases, test plans and executed tests using Selenium WebDriver and JAVA.
* Involved in automating the Web services testing with SOAP, REST protocol using SoapUI Pro.
* Designing automated script for REST Services using SOA Test, POSTMAN and Mongo DB data base.
* Designed and Developed UAT Regression automation script and Automation of functional testing framework for all modules using Selenium and WebDriver.
* Identify/Perform strong Root Cause Analysis (RCA) before reporting defect/bug.
* Work on core Java Platform to perform automation testing using Selenium, cucumber and TestNG framework.
* Use Selenium WebDriver to automate Web Based application.
* Design and Develop Page Object Model Test Framework from scratch.
* Use TestNG for cross browser and cross platform test.
* Used BDD with Cucumber.
* Perform scheduled test using Continuous Integration (CI) with Jenkins.
* Use Maven to create test build.
* Use SQL to validate posted data in Oracle Database.
* Use ALM for bug reporting, bug tracking and project management.
* Use Version Control Tool - GitHub to manage up-to-date codes and documentations.