

Name: Bosco Jacob

**QA AUTOMATION ENGINEER LOOKING FOR C2C POSITIONS.
OPEN TO RELOCATION**

PROFESSIONAL SUMMARY:

7+ Years of experience in the field of Software Testing with good exposure in Quality Assurance and Testing Process along with Automation Tools Expertise, testing Web-Applications and Mobile Applications using IOS and android.

- ❖ Experience in all stages of the **Software Development Life Cycle** and QA Life Cycle and in all dimensions of Functionality, Usability & Reliability.
- ❖ Expertise in automation testing using QTP/UFT, **TOSCA**, Selenium and Squish.
- ❖ Worked with all **TOSCA** functionalities like integrated Test Management, GUI, CLI, API Testing.
- ❖ Good experience in mobile testing using **APPIUM** in both **IOS and Android** applications using simulator and emulator.
- ❖ Knowledge of Automation Tool like **Selenium, protractor**.
- ❖ Good experience on Selenium Automation using WebDriver and Server. Heavy programming using **Java/C#, Junit, NUnit, TestNG, Cucumber, Specflow**.
- ❖ Expertise in functional testing **AUT** using Selenium IDE and Selenium WebDriver using Junit/NUnit/TestNG testing **framework**.
- ❖ Experience in working with Build Systems like **Maven** and continuous integration systems like **Jenkins, Azure DevOps**.
- ❖ Good experience in Web Services testing using **SOAP UI, XML and WSDL** and in providing required input data to request **XML** & get the required data from response **XML** & use the response data from other request **XML** using **SOAP UI**.
- ❖ Experienced in load and performance testing tool **JMeter**.
- ❖ Extensive experience in designing **Test Cases, Test Scenarios, Test Scripts** and Test reports of manual and automated tests.
- ❖ Experience in **unit testing, functional testing, user acceptance testing, integration testing, system testing, performance testing, sanity testing, exception testing, compatibility testing & security testing** of client/server and **web-based/mobile** applications.
- ❖ Excellent knowledge in writing unique **XPath** using firebug and fire path to identify web elements.
- ❖ Experienced in providing the efficient locators strategy like **XPath** and **CSS** to run **WebDriver** script in stable condition.
- ❖ Working experience with defect tracking tools like **Jira, Rally** and Test Director/Quality Center (QC) and **Team Foundation Server (TFS)**.
- ❖ Experience programming in Java, C#, Python, JavaScript, **HTML, XML** and SQL on Windows XP, Vista Operating Systems and UNIX environments.

- ❖ Expertise in performing the **Functional Testing, Regression Testing, Integration Testing** for the apps on different platform like **Java/C#**.
- ❖ Expertise in performing **manual testing & Mobile Application** Testing using **Appium**.
- ❖ Experience in both Waterfall and Agile project environments.
- ❖ Extensive experience with **Visual Source Safe** and Microsoft Office tools (MS-Word, PowerPoint, Excel, and Access).
- ❖ Proficient in testing databases of applications developed with **SQL Server, Oracle, and MS Access**.
- ❖ Strong in writing **SQL queries** to perform backend data validations
- ❖ Have built a test automation framework based on **Page Object Model, TestNG** and **Selenium Web driver**
- ❖ Excellent experience with source version control tools such as **Subversion (SVN), Git and Azure Repo**.
- ❖ Excellent interpersonal skills, proven team player with an analytical bent to problem solving and delivering under **high stress environments**.
- ❖ Good analytical and **communication skills** and ability to work independently with minimal supervision and perform as part of a team.

TECHNICAL SKILLS:

Testing Tools	Selenium Web Driver/IDE/GRID, HP Quality Center, JUnit, Cucumber, Log4j, TestNG, SOAPUI, POSTMAN, Rest Assured, Appium.
Language/ Script	Groovy,Java, JavaScript, C#, Python.
Build/ CI Tools	Maven, Jenkins, Azure DevOps.
Firefox Add-ons	XPath, Firebug.
Bug Tracking Tools	JIRA, Rally, Visual Studio TFS .
SOA Technologies	SOAP, REST, SOAP UI, Web Services.
Web development	JavaScript, Python, HTML, XML, CSS.
Frameworks	TestNG, TDD, BDD, Junit, Robot framework.
Databases Technologies	MS SQL Server, MS Access, Oracle PL/SQL, MYSQL.
Platforms	Windows, Mac, UNIX, Linux.

Client: Kroger, Cincinnati, OH

November 2022 – Present

Role: QA- Full Stack SDET

Responsibilities:

- ❖ Wrote **Test Cases** for mobile based applications and worked with the team for designing the framework according to the requirement.
- ❖ Created modules in **TOSCA** Test Suite – Module, Test Cases, Test Cases Design, Requirement and execution.
- ❖ Prepared Automated Test scripts using **Java, Maven, TestNG, Selenium Webdriver** and **Jenkins** for **UI automation** and functional testing.
- ❖ 5+ years of experience in **Groovy** and Grails.
- ❖ Coded **Groovy** domain classes to handle business logic.
- ❖ Added **Groovy** composers and views to the project.
- ❖ Prepared Automated Test scripts using **Java, Cucumber** and **Selenium Webdriver** for **UI automation** and functional testing.
- ❖ Creating automation framework in **Selenium WebDriver** using behavior driven (**BDD**) approach with **Cucumber**.
- ❖ Work on **Jira Qmetry Test Cycle** pertaining to the stories, completion and execution of all manual and automation tests conducted.
- ❖ Worked on native mobile app testing for both android and ios using **Appium**.
- ❖ Extensive use of **Postman API & Microsoft SQL Server Management Studio** to validate databases and functionalities.
- ❖ Used **Appium** to create **desired capabilities** and connect to IDE using **appium** host for test execution.
- ❖ Designed the existing framework for testing Web application features using **Gherkin, Cucumber** and **Selenium Web Driver** for the web applications.
- ❖ Utilized **Android Studio** for **simulator** and **XCode** for simulator to work on Android and IOS applications.
- ❖ Implemented a **POM** based automation testing framework utilizing **Java, TestNG** and **Selenium WebDriver**.
- ❖ Utilized **UIAutomator, Appium Inspector** to inspect elements to locate elements to write test scripts and execute it.
- ❖ Validate **UAT testing** for all capabilities in the lab via **Alpha, Beta, Gamma, and Enterprise** testing.
- ❖ Do high level **smoke testing** for capabilities and new functionalities released for **APK'S**.
- ❖ Developed test automation scripts using **Selenium WebDriver** and **Java** for **regression and performance testing** of the various releases of the application.
- ❖ Created test cases manually to perform different types of testing such as **positive/negative, functional, black box** and **backend testing**.

- ❖ Used **TestNG Annotations** in **Selenium WebDriver** and executed a batch of tests as **TestNG suite**.
- ❖ Developed Selenium scripts in **Java** and **TestNG** for parameterization using **Data Provider annotation**.

Environment: TOSCA, Java, Maven, Selenium WebDriver, BDD, Cucumber, TestNG, Appium, Oracle database, Jenkins, Rest API, Postman, APK'S, GitHub, SQL Server Management Studio(SSMS)

Client: State Farm, Bloomington, IL

March 2021 – October 2022

Role: Sr. QA Analyst - Web/Mobile Automation

Responsibilities:

- ❖ Written **Test Plan, Test Scenarios, Test Cases** for Web based application and worked with team for designing framework according to the requirement.
- ❖ Performed initial **Smoke testing** to determine if the Sprint deployment was stable enough to withstand a major testing effort.
- ❖ Prepared Automated Test scripts using **Java, TestNG, Selenium Webdriver** and **Jenkins** for **UI automation** and functional testing.
- ❖ Performed **configuration/ compatibility** and user **interface testing** manually.
- ❖ Responsible for the execution of the Integration Test Cases and making sure the data is populating in the Integration areas of the modules.
- ❖ Created automation framework in **Selenium WebDriver** using behavior driven (**BDD**) approach with **Cucumber**.
- ❖ Extensively used **Page Objects design** and page navigation framework for readable test script and easy maintenance from developer perspectives.
- ❖ Worked on native mobile app testing for both android and ios using **Appium**.
- ❖ Used **Appium** to create **desired capabilities** and connect to IDE using **appium** host for test execution.
- ❖ Written feature file in **Gherkin language** and executed the step definition in **Cucumber** using **JAVA** for the test cases.
- ❖ Utilized **Android Studio** for **simulator** and **XCode** for simulator to work on Android and IOS applications.
- ❖ Utilized **UI automator, Appium Inspector** to inspect elements to locate elements to write test scripts and execute it.
- ❖ Integrated Automation scripts in **Jenkins** for nightly batch run of the Script.
- ❖ Developed test automation scripts using **Selenium WebDriver** and **Java** for **regression** and performance testing of the various releases of the application.
- ❖ Created test cases manually to perform different types of testing such as **positive/negative, functional, black box** and **backend testing**.

- ❖ Used **TestNG Annotations** in **Selenium WebDriver** and executed a batch of tests as **TestNG suite**.
- ❖ Developed Selenium scripts in **Java** and **TestNG** for parameterization using **Data Provider annotation**.
- ❖ Conducted **System Testing** and **User Acceptance Testing** for every client and Conducted Backend testing writing.
- ❖ Checked the data flow through the front end to backend and used **SQL** queries, to extract the data from the **Oracle** database.

Environment: Java, Maven, Selenium WebDriver, BDD, Cucumber, TestNG, Appium, Oracle database, Jenkins, Rest API, Postman

Client: Humana - Louisville, KY

JAN 2019 – March 2021

Role: Sr. QA Analyst - Web/Mobile Automation

Responsibilities:

- ❖ Developed test cases from **business/functional** requirements and uploaded in Azure Test Plan, so that all the test cases could be easily maintained and tracked.
- ❖ Performed System Integration Testing, and Functional testing across different browsers **IE, Firefox, Mac Safari**, and **Chrome** following **Agile** methodology.
- ❖ Tested Web app, Native app using **Appium** for automating the **mobile testing** and performing manual testing according to the requirements.
- ❖ Used **C#** to design an Automation framework to Validate **RESTful Web Services**.
- ❖ Used **Appium with C#** design the automation script for the mobile applications.
- ❖ Performed **backend/ETL** testing for data validation using **SQL Queries** and validated data using **SQL joins**.
- ❖ Used **BDDframework** with **Specflow, C#** and created feature files with scenario and scenario outline files.
- ❖ Proficient in Functional Testing Tool Quick Test Professional (**QTP/UFT**) and the various frameworks in **QTP/UFT**
- ❖ Performed Functional, Laboratory, Usability testing of the mobile applications across iOS devices, Android devices and Tablets.
- ❖ Involved in testing both **SOAP** and **REST** services using Rest Assured and tested both **XML** and **JSON** formats.
- ❖ Involved in testing of services using **REST** services using **POSTMAN**.
- ❖ Implementation of Selenium WebDriver automation **POM Framework** for **smoke** and **regression test**.
- ❖ Used **Simulators** to make replicas of mobile phones for testing purposes.

- ❖ Used **Azure Board** to capture, log and track the defects found during the testing cycle for all releases.
- ❖ Performed **ACCESSIBILITY TESTING** and ensured all Active Elements Receive Keyboard Focus and Ensure Keyboard focus is not provided to inactive elements.
- ❖ Attended **Daily Standup/Scrum** calls and weekly IT meetings for the project status, test case execution.
- ❖ Created Test cases using Element locators and Selenium **Web driver** methods.
- ❖ Responsible for execution of **Selenium** Test cases and reporting defections.
- ❖ Designed Functions Library Subroutines, **common functions, utilities functions**, Regular Expressions and **environmental variables**
- ❖ Tracked the working user stories and created defects in **Jira** for test management.
- ❖ Involved in Regression Testing using **Azure DevOps** repo and pipeline.
- ❖ Validated and Generated the Test Reports for all **test execution cycles** performed.

Environment: C#, .Net, Selenium WebDriver, BDD, Specflow, NUnit, Appium, SQL, Azure DevOps, Azure Board, Android Studio, POSTMAN, Agile

Client: BOK Financial Corporation, Tulsa, OK

Dec 2017 to Nov 2018

Role: QA Analyst - Web/Mobile Automation

Responsibilities:

- ❖ Designed Test Automation scripts for web apps using **Selenium Webdriver**.
- ❖ Designed Test Automation Framework for **REST WebServices** using **SoapUI with Groovy**.
- ❖ Designed ATDD framework for testing Web application features using **Gherkin, Cucumber and Selenium Web Driver** for the admin and provider web applications.
- ❖ Setup Maven Build tool for **ATDD** feature execution on eclipse.
- ❖ Implemented Data Driven Testing with Data Providers and Excels for **Selenium**.
- ❖ Used Stubbing technique for top-down **integration testing**.
- ❖ Executed **functional testing**, regression testing, **Server testing**, Network testing and medical device testing.
- ❖ Integrated **SOAP UI** Test Projects with **JUNIT** and developed a **MAVEN** build for nightly build triggers.
- ❖ Performed **Smoke tests** and baseline tests on every new build and build patches.
- ❖ Used **SQL queries** using SQL developer for verifying the data recorded by the applications in the database.
- ❖ Used **TFS** and Test Manager for test plan, design, execution, and Defects.
- ❖ Analyzed the **performance statistics** daily and reported the status in Dashboards to key stakeholders.

- ❖ Performed **root cause analysis** on test failures and opened defects in Microsoft Test Manager.
- ❖ Implemented Distributed testing using **Visual Studio Test Agent** and Controller software.
- ❖ Developed **SOAP UI regression automation** suite for REST and SOAP backend services.
- ❖ Integrated **SOAP UI** and **Selenium automation** suites with Jenkins for continuous integrations along with MAVEN.
- ❖ Used **POI API** Test data can efficiently read from excel.
- ❖ Involved in executing the test cases in mobile using **APPIUM**.
- ❖ Performed test in all kinds of apps like **Native apps, Web apps and Hybrid Apps** using Appium in both **Android** as well as **iOS** platform.
- ❖ Worked in gray box testing of Mobile apps in **Android, iOS, & proprietary platforms**
- ❖ Prepared, maintained, and executed **automated test scripts** throughout the testing phase.
- ❖ Stored and maintained Automation test scripts suites in the **GIT**.

Environment: Java, Selenium Web Driver, Selenium Grid, SoapUI, Groovy, Gherkin, Cucumber, Appium [Android /iOS], Selenium Web Driver Setup Maven, Eclipse, JUNIT, SQL, Jenkins, Apache POI

Client: FedEx Services, Collierville, TN

Sep 2016 to Oct 2017

Role: QA Analyst - Web Automation

Responsibilities:

- ❖ Involved in creation of automated test cases for testing various **web modules** like supplier data, inventory tracker, exchange tracker, damage tracker.
- ❖ Identified test cases to automate the test cases using **Selenium WebDriver**, Junit, and Java (Eclipse IDE) and contributed to creation of the framework.
- ❖ Created all Test Plans, Test Cases and Manual and Automated Scripts to create greater coverage for all initiatives assigned.
- ❖ Designed, developed, and implemented a **POM** based automation testing framework utilizing Java, TestNG and Selenium WebDriver.
- ❖ Involved in Automation of the test cases using **Selenium and TestNG**.
- ❖ Responsible for back-end API testing with **SOAP UI** and coding in groovy and Java.
- ❖ Created tests with Assertions like Schema Compliance, SOAP, XPath assertions using **SOAP UI**.
- ❖ Involved in testing Web services and XML with a tool called **SOAP UI**. Used this tool to locate WSDL files on the internet, create Test cases, run them, do load testing, security testing.
- ❖ Validated **Web Service modules** using Soap UI tool (Preparing Web Service request and added authentication information in Soap Header). Used **SOAPUI tool** to test web

services for Order History, Shopping cart, Account Creation and Shipment Tracking web services.

- ❖ Involved in the Continuous Integration of the automation framework with **Jenkins**.
- ❖ Worked with designing and building automation frameworks in **Cucumber BDD**.
- ❖ Cucumber was used for entire regression testing and functional testing with the primary tool as **Selenium to test Scenarios**, test Cases and Test conditions identified.
- ❖ Resolved object recognition issues using recovery scenario feature of **UFT**
- ❖ Compared the expected and actual results using multiple checkpoints for text, GUIs, bitmaps, and databases in the application with **UFT**
- ❖ **Used JIRA** for Identifying, logging, tracking and escalating bugs.
- ❖ Performed **smoke testing in UAT** and production environments for deployment verification
- ❖ Actively participated in daily scrum and sprint meetings as part of **Agile Environment**.

Environment: Java, Eclipse, UFT, Selenium, JIRA, SOAP UI, Junit, Cucumber, BDD, Agile, Mobile Testing

Client: CIGNA, PHILADELPHIA, PA

July 2015- Aug 2016

Role: JR.QA Tester

Responsibilities:

- ❖ Performed Functionality Testing and Integration testing using **HP Quick Test Pro (QTP)**.
- ❖ Determined test approaches for various testing strategies like Functional, System, Regression, Usability testing, Alpha, Beta testing and executed using **HP Quick Test Pro (QTP)**.
- ❖ Updated **test suites** and documents in accordance with the changes in requirements.
- ❖ Performed analysis on Test Case Coverage and tracked **Requirement Traceability**.
- ❖ Involved in using Quality Center for managing the defect. Performed manual Back-End testing by writing **SQL Queries** for validating user information in the tables.
- ❖ Developing Automation scripts using Descriptive Programming and maintaining Local and **Global Object Repositories in QTP**.
- ❖ Customizing the **QTP** using **VB scripts**.
- ❖ Parameterized the tests by entering different sets of data using **QTP**.
- ❖ Created **Scripts Modular batches** in QC and uploaded the scripts from QTP.
- ❖ **Rest Web Service testing** using Http Client Java library.
- ❖ Performed Manual Testing of this Web application and **automated it by using selenium**.
- ❖ Identified software defects and interacted with **developers** to resolve them.
- ❖ Performed **SOA** testing for Payments **APIs** using **SOAP UI** and Java framework for web services testing.
- ❖ Used **SOAP UI** assertions and Groovy script for web service Automation Testing.

- ❖ involved in developing Manual Test Cases for Functional testing, **User interface (UI)** testing and database testing to test **Application under Test (AUT)**.

Environments: QTP, SQL Server, Quality Center, VB script, HTML, Java Script, SoapUI.

Reference: Available upon request.

Education: Bachelor's in Criminal Justice