

## PROFESSIONAL SUMMARY

- **7+ years** of experience as a dynamic and motivated **Software Development Engineer in Test (SDET)** professional in the IT industry.
- **Proficient** in the **testing** of various **Web-based applications, Data Base applications, Client-Server applications.**
- Diverse experience in Information Technology with emphasis on **Software Quality Assurance** and **Automation Testing** and **Manual Testing.**
- Participated in **Daily Stand-Up, Sprint Grooming, Sprint Planning, Demo, and Retrospective meetings as a part of the full Agile Scrum Model.**
- Hands-on experience building the complete testing framework from scratch, with tools such as **JAVA, JavaScript, Protractor, Selenium WebDriver, Selenium Grid, MAVEN, TestNG, JUnit, Cucumber, and REST Assured.**
- Successfully delivered solutions on various levels of **Client-Server** and **web-based** applications with expertise in both **Manual** and **Automation Testing** skills.
- Extensive knowledge of different tools such as **Maven** as project building tool, **Jenkins** for continuous integration, and **Git** as a version control repository.
- Performed testing using **Java** and **Apache POI** libraries to read data from Excel file, as well as **JDBC API** and **SQL** queries to fetch data from Oracle database.
- Expertise in developing automation scripts in **BDD** format using **Cucumber** and proficient in writing **Cucumber** scenarios in **Gherkin** format.
- Strong experience with **Behavior Driven Development (BDD)** and **Behavior Driven Testing (BDT)** with **Cucumber** to implement Data Driven Testing.
- Developed Test Frameworks in **Selenium** for UI Regression Test Automation.
- Involved in preparing a report of all automation difficulties and test results for a further application using **Cucumber Report.**
- Performed functional testing of **RESTful** API Web Services using **REST Assured** library with **Java, JUnit**, to run **Cucumber** features and scenarios in addition to generating reports on a daily basis.
- Generated and implemented **BDD** (Behavior-Driven Development) Features, Scenarios, and Step Definitions by using **Cucumber** with **Gherkin** language.
- Experienced in the development and documentation of Test Plans, Test Cases, Test Execution, and Test Scripts for the **Relational Database, Web Based** applications, and **Client-Server** applications.
- **Oracle Certified Associate** degree programmer in Java with a clear understanding of **OOP (Object Oriented Programming)** concepts and experience in other languages such as **Gherkin, SQL, and HTML.**
- Expert in integrating Automation scripts with **Selenium WebDriver** on Continuous Integration tools like **Jenkins.**
- Proficient in testing and validating the **REST** services using **REST Assured Library** and **POSTMAN.**
- Experience in generating emails with **Extent-Reports, HTML reports, Cucumber JSON reports** using **Maven** and **TestNG, JUnit, and Cucumber.**
- Hands-on experience in creating and organizing Test Plans, Test Sets, Tests, and Test Execution in **Jira Xray.**
- Successfully implemented **Maven** build tool with **Java, Selenium WebDriver.**
- In-depth knowledge of **JUnit** and **TestNG** libraries in **Java**, with expert utilization of annotations and dependencies.
- Generated **JSON** and **HTML** based **Extent Reports, Cucumber Reports** with screenshots and integrated into **Jira Xray.**
- Hands-on experience on **IDE** (Integrated Development Environment) software such as **Eclipse** and **IntelliJ IDEA.**

- Well versed with **Continuous Development, Continuous Integration** through requesting, creating **Jenkins** jobs.
- Experienced in API Web Services, **Back-End**, and **API Testing** with tools such as **POSTMAN, REST Assured Library**.
- Designed, maintained, and developed from scratch **POM** (Page Object Model) Automation Frameworks.
- Maintained the automation code and resources in version control platforms such as **GitHub** and **Bitbucket**.
- Engaged in **Database Testing** by generating **SQL** queries in various RDMS: **MySQL, Oracle SQL**, and achieved the automation of the process through the utilization of **JDBC API** (Java Database Connectivity).
- Performed Smoke Testing, Positive and Negative Testing, Functional Testing, Front-End, and Back-End Testing, Regression Testing, Ad-Hoc Testing, Data-Driven Testing, Black Box Testing, Database Testing, and API Testing.

## TECHNICAL SKILLS

<b>Project Methodologies:</b>	Waterfall, Agile SCRUM, Kanban
<b>Testing Tools:</b>	Selenium WebDriver, Selenium Grid, Cucumber, Protractor, JDBC, Rest Assured, Karate, Log4J, SQL Developer, Apache POI, POSTMAN
<b>Testing Framework:</b>	JUnit, TestNG, Protractor, Page Object Model
<b>Continuous Integration:</b>	Jenkins
<b>Defect Tracking Tool</b>	Jira, Jira Xray
<b>Databases:</b>	Oracle, MySQL
<b>Languages:</b>	Java, JavaScript, TypeScript, SQL, HTML, XML, Gherkin
<b>Operating Systems</b>	MAC OS, Windows
<b>Project Building Tools</b>	Maven
<b>Repository Systems:</b>	GitHub, Bitbucket
<b>IDE:</b>	Eclipse, IntelliJ, NetBeans

## TECHNICAL CERTIFICATIONS

- **Oracle Certified Associate, Java SE 8 Programmer**
- **AWS Certified Solutions Architect - Associate**
- **Professional Scrum Master I**

## PROFESSIONAL EXPERIENCE

*Capital One – Richmond, VA*

August 2020 - Present

**Development - Senior QA Specialist**

### Responsibilities:

- Main point of contact for **Jenkins** to achieve **Continues Integration** and **Continues Delivery** (CI/CD).
- Responsible for Smoke Testing, System Integration Testing, User Acceptance Testing, Regression Testing, End-To-End Testing coordination and Deployment Verification in an Agile environment.
- Primary responsible for setting up and maintaining **Smoke Test** and **Regression Test** within Jenkins pipelines.
- Creating e2e test suites for all components, and running them with Protractor.
- Automating Angular JS applications by using **Protractor**, Jasmine and Chai using JavaScript.

- Extensive experience in Requirements Gathering, Functional and Technical Specifications, Business Analysis, QA, Documentation, Test Plans, Test Strategy, Test Cases, Integration, Regression and Performance testing.
- Hands on experience in configuring **Jenkins** to email the status of Test Scenarios.
- Created a unique HTML report which shows the results of the Test Scenarios in a table format and attached to email distribution.
- Identified automation requirements & design automation framework, scripts in Protractor integration with Jenkins/CI, code reviews, and scripts execution through Grid.
- Automated Restful services using **Rest Assured API** using **JavaScript** by following the **TDD/BDD** framework.
- Automated angularJS application module using protractor and Jasmine and created specs for various functional scenarios.
- Analyzed system requirement specifications and developed test plans, test cases to cover overall QA System Testing.
- Developing test cases based on the User stories and functional requirement specification document.
- Expertise in Manual and Automation Testing of Client/Server, Web - based, API and Cloud (AWS) applications.
- Used cucumber to automate services using Rest API.

**Environment:** JavaScript, AngularJS, Rest API, WebDriverJS, JIRA, JSON, Shadow-DOM, CSS, XML, YAML, CSV, Jenkins, Git, SQL

*Carmax – Centreville, VA*

August 2018 – August 2020

**SDET / Automation Test Engineer**

**Responsibilities:**

- Designed, developed, and executed automated UI Tests using **Selenium** WebDriver and **Java** Framework.
- Extensive contribution in all stages of the **Software Development Life Cycle (SDLC)** and **Software Testing Life Cycle (STLC)**.
- Performed cross-browser testing on multiple browsers like Safari, Chrome, IE & Firefox using **Selenium WebDriver** and **Selenium Grid**.
- Coordinated with DevOps in developing **POM** files in **Maven** to extend automation framework for continuous integration (CI) using **Jenkins** on Linux.
- **Developed** and maintained an **Automation Framework** with **Page Object Model (POM)** principles.
- Built the framework based on **Gherkin** and **Java** languages, together with **Selenium** WebDriver libraries and **Cucumber** by implementing **DDT** (Data-Driven Testing).
- Created **Features** and **Step Definitions** packages to manage with **Cucumber Runner** Classes and to execute Features and **Scenarios**.
- Vigorously participated in meetings with **BA**, **PO**, **developers**, and **Test Lead** to discuss documentation.
- Utilized **bug** and **defect** tracking tools like **Jira**, **Jira Xray**, and documented **test reports** with high-level accuracy and informative steps following the best practices.
- Executed **SQL queries for Back-End** testing in order to view the successful interaction of data and validating data, using **JDBC**.
- Actively participated in all **Scrum Ceremonies**: Standup, Grooming, Planning, Demo, and Retro.
- Involved in reviewing and analyzing user **requirements**, participated in **Verification**, **Validation** for developed software.
- Analyzed and maintained requirements and created a **Traceability Matrix (RTM)** between Requirements and Test Cases.

- Closely worked with the BA and PO on various activities, including keeping track of **Project Status** and **Project Deadlines**.
- **Performed** Functional Testing, Positive Testing, Negative Testing, **UI Testing**, **End-to-End Testing**, Regression Testing.

**Environment:** Java, Selenium WebDriver, GitHub, JUnit, REST, Cucumber, Maven, POM, XPath, IntelliJ IDEA, Jenkins, HTML, XML, Agile, Jira, Jira Xray, AWS, Coded UI, SQL, Oracle, and MAC OS.

## *Credible Behavior Health – Rockville, MD*

May 2016 – August 2018

### **SDET / Automation Test Engineer**

#### **Responsibilities:**

- Responsible and active in the analysis design implementation and deployment of full **Software Testing Life Cycle** (STLC) of the project.
- Utilized **Maven** as a built tool and **API Rest** for testing the Web Services.
- Generated automation framework using **Selenium WebDriver**, **Java**, **Eclipse**, and **TestNG**.
- Performed **Functional**, **Regression**, and **Integration Testing**.
- Automated the test cases by using **Java** with **Selenium WebDriver** environment, Back-End test using **SQL** (JDBC).
- Participated in Agile ceremonies such as Sprint Planning, Daily Stand-Up, Demo, and Retrospective meetings.
- Worked closely with Developers and Project Managers to follow up on Defects/Issues and understand application functionality and navigational flow.
- Extensively used the **Selenium WebDriver** methods to build the framework and run the test scripts.
- Defined, developed, and executed automation test scripts using **Java** that leverage Black box testing across functional.
- Used the **BDD** framework with **Cucumber**, **Java**, and created feature files with scenario and scenario outline files.
- Used automated tools with **Java** and **Selenium WebDriver** environment. Developed scripts using the **JUnit** test framework for Regression Testing.
- Involved in Functionality Testing, Regression Testing in all environments.
- Employed API REST for testing the Web Services by the request and response time with the help of XML data. Added various **assertions** and performed **Data-Driven Testing** by getting the data from the **Excel** sheet.

**Environment:** Selenium WebDriver, TestNG, Cucumber, REST API, Bitbucket, JavaScript, XML, XPath, Java, GIT, Oracle SQL, Jenkins, Jira.

## *The Seminar Network – Arlington, VA*

January 2014 – May 2016

### **Manual Tester / Automation Tester**

#### **Responsibilities:**

- Understanding the whole **Functional Requirement Specifications** gathered the information and analyzes the requirements from the client.
- Closely worked with the BA and PO on various activities, including keeping track of **Project Status** and **Project Deadlines**.

- Involved in the creation and execution of **Manual Test Cases** for checking the flow of the application **Functionality, Positive** and **Negative** Testing, to verify the validity of the failed Test Cases, logged the defects, and assigned them.
- Involved in preparing **Testing Strategy** to meet **Acceptance Criteria**.
- Interacted with the development team to assure that all the **defects, quality** problems are addressed.
- Participated in analyzing and maintaining requirements and created a **Traceability Matrix (RTM)** between Requirements and Test Cases.
- Collaborated with **Business System Analysts, Developers** to define the testing requirement documents.
- Developed **Test Scripts** using Functional Requirement Documents. Test scenarios are created for Positive, Negative, Boundary cases, etc. Performed all types of testing on workflows and server software.
- Re-executed the Tests for the corresponding volumes and made sure that the parameters are within the acceptable limits after the fixes are done by the environment support team.
- Executed **SQL Queries** on **SQL Server** in order to view successful transactions of data on the **Back-End** of the database for validation purposes.
- Involved in reviewing and analyzing user **requirements**, participated in **Verification, Validation**, and **Acceptance Testing** for developed software.
- Conducted **GUI** validations on menu bars, toolbars, text boxes, radio buttons, checkboxes, drop-down lists, list boxes, etc. using **Selenium WebDriver**.
- Maintained and executed Maven build files for running automated test cases along with Continuous Integration tool Jenkins.
- Performed Back-End testing using **SQL** queries and validated the frontend against the database.

**Environment:** Jira, GitHub, SQL Server, HTML, TestNG, XML, Quality Center, TestNG Java, Linux, Oracle SQL Developer, MS Office (MS Excel, MS Word, MS PowerPoint), MS Project.