**Baljeet Singh**

**Senior AWS Certified SDET**

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# Summary:

* **11 years** of experience in **Software** **Development** & **Software Testing** as a **Software Development Engineer in Test** in delivering critical solutions on various levels of **SDET** for **Web based, and Client/Server** based applications.
* Experience in waterfall and **Agile methodologies**
* Experienced in test tools development for **GUI** & backend **RESTful** **API**
* Experience in Bug Tracking System, and process using **JIRA**, also expert in **QC (quality center)**
* **Perform Smoke Testing, Integration, System, End-to-End, Regression, Backend, and Cross Browser testing (TestNG) also experienced with selenium Grid.**
* **Expertise in automation using Selenium WebDriver, with Java on TestNG, Junit library, JSON, HTML/CSS, JavaScript, Reactjs, React-Native mobile, Rest API Automation Testing with Postman, Jackson API Mobile testing with Appium (iOS and Android), JMeter, Swagger, PostgreSQL, XML, Log4j**
* Hands on experience in SDLC and STLC life cycle
* Used **HTML5, CSS3 and AngularJS** for content layout and presentation layer (UI) designing.
* Experience with Automation Testing of Client/Server, Web - based, **API and Cloud (AWS) applications.**
* Experience in understanding the code written in different programming languages **Java, C#, and Java Script**.
* Attend daily **Scrum meeting, Planning Sprint, and Retrospective meetings**
* **Created Spring Boot applications testing suite using Spring Junit plugin.**
* Hands on experience on **BDD** and data driven framework with page object concept.
* Use **Jenkins** for continuous integration, GitHub for version control management.
* Experience in testing the database using Complex SQL statements in **RDBMS like Oracle, and MSSQL Server.**
* **Expert to develop the Automation framework from scratch and enhance by using Maven and Run the Test suite using TestNG.**

**Technical Skills:**

Software Testing Tools: HP Quality Center (QC), ALM, JIRA, Eclipse, Selenium WebDriver, Selenium Grid, TestNG, Junit, Cucumber, Maven,

Jenkins, GitHub, SVN

Web Technologies: HTML, XML, Json, Java, JavaScript, C#

JavaScript Frameworks: Angular JS, Angular 2/4

Databases: Oracle, MS SQL-Server, MS-Excel, MS-Access.

Browser: Internet Explorer, chrome, Fire Fox

Methodology: Waterfall, Agile (SCRUM), V-Model

Testing Languages: Java, SQL, HTML, XML, Gherkins

Other tools: Git, Ping, AWS, Cloud Foundry, Jenkins, Docker

**Education Qualifications:**

* **Bachelor’s in computer science** – **California State University, East Bay – 2014**

**Certifications:**

* **AWS Certified Developer - Associate**

**Experiences:**

**Intuit Inc, San Jose, CA Apr 2020 – Present**

**Software Development Engineer in Test**

**Responsibilities:**

* Collaborated with developers in an Agile release environment. Participated actively all SDLC process attending sprint planning, daily scrum, retrospective, and client's demo
* Daily collaboration with offshore and on-site team on day-to-day QA operational support
* Review requirements, specifications, and meaningful feedback.
* Designed and implemented scalable automation frameworks using Rest Assured for API testing and Selenium for UI testing.
* **Implemented project structure based on spring MVC pattern using Spring boot. Used different type of Spring controllers depending on the business requirement.**
* Create Test Cases and Test Scripts also Estimate, prioritize, plan and coordinate testing activities
* **Developed Automation framework** from scratch using **Maven, TestNG** with java programing language.
* Responsible for identifying test cases for Automation then design, develop and execute Automation scripts
* Developed and maintained Java microservices with Spring Boot, ensuring high performance and reliability of backend services.
* Performed different types of testing system, Functional, and Regression Testing manually and convert them to automated script using **Selenium WebDriver**
* **Performed test automation Development using test framework that implements Page Object Model (POM), BDD format, also use Junit**
* Used Continuous Integration Tools **(Jenkins)** for automation script run in nightly basis and to provide quick feed back to the developers
* **Created Auto deploy jobs using Jenkins and Maven. Developed Spring DAO templates to all type of CRUD operations**
* Implemented **Maven** for Project building, and **Git** for code management
* Developed and maintained automated test scripts to support regression testing and participated actively in system testing and regression testing
* **Wrote custom javascript and CSS to maintain user-friendly look and feel.**
* Performed and Monitor Release activity Every morning before 10 am in Test Environment for Functionality of the Application Performed back end testing for data validation using complex **SQL Queries** joining multiple tables
* Responsible for field validations using **Angular JS** and created custom components in **Angular JS.**
* Finding the defects and follow the Defect life Cycle Ability to use bug tracking and test management tools to support development processes using **JIRA**
* Raised a bug in **JIRA** and assign to associate developer with description and screen capture

**Environment:** **JIRA**, **Spring**, Skype for Business, Outlook, SharePoint, Share drive, Eclipse (IDE), Selenium WebDriver, **Java**, **JavaScript**, **TestNG**, **Maven**, Jenkins, Spring Boot, Oracle.

**General Motors, Austin, TX Jan 2019 – Mar 2020**

**Software Development Engineer in Test**

**Responsibilities:**

* Go through requirements and design docs and come up with test plans for complex projects.
* Write test cases based on product requirements and design documents and bring up if there are any discrepancies.
* Do Manual testing as well as write **front end automation** using **selenium page objects pattern** and **backend automation** test scripts in **Rest Assured** with **Java** and **TestNG**.
* Manage all the automated regression test suites to be always up to date, remove no longer needed tests and add new depending upon the ongoing projects.
* Triage any test failures that comes up in UI and backend automated test scripts in **Java** test frameworks.
* Executed automated tests using Rest Assured for RESTful APIs and Selenium for web applications. Identified and resolved defects early in the development cycle.
* Tested SOAP and **REST web services** using the different assertions like **HTTP assertion**s, security assertions, **XPATH** assertions in **SOAP UI** assertions.
* Utilized web developer tools such as **POSTMAN** to do **API Testing** of **web services** and check if correct data is returned.
* Experience executing tests on **Amazon Web Services (AWS) and Microsoft Azure** cloud platforms
* **Developed test scripts and frameworks in Java, utilizing Java 8, Java 9, and OpenJDK 12 for effective automation.**
* Good experience in Web Services testing using **HTTP-Client**, **SOAPUI**, which involved in validating the **JSON/XML** response and verifying it against the expected output.
* Experience in Multiple Browser Testing using **Selenium GRID.**
* Used **UNIX** extensively while working on different Tests.
* Experience in writing **SQL** Queries for Back End **API Testing**.
* Attend daily scrum meetings and bring up any roadblocks or any features that are at the risk of meeting deadlines or being expected to not meet the minimum quality standards.
* Backend queries were conducted using SQL queries to validate and retrieve data from the Database in API Tests.
* Actively participate and give inputs in grooming, planning and retrospective meetings.
* Help performance testing team in writing perf test scripts and update selenium web-driver test scripts according to the changing features to keep the perf test scripts accurate and reliable.
* Always try to enforce best development practices within the team or if working across teams.
* Keep the automation test frameworks up to date with using latest libraries, in house dependencies and JRE etc.
* Responsible to unblock any team or any engineer that gets blocked by an ongoing project due to any environmental issues.

**Environment**: Java, MySQL, JDBC, JSON, XML, Rest, SOAP, Eclipse, Maven, Jenkins, TDD, CI/CD, Linux, **Selenium WebDriver**, **Rest**-**Assured**, SOAP UI, CI/CD, **JMeter**, Scala, Jira, Agile/Scrum, Wire Mock, **Junit**, TestNG, Surefire, GitHub.

**Bank of America, San Roman, CA Oct 2016 – Nov 2018**

**QA Automation Engineer**

**Responsibilities:**

* Experienced with **Agile (Scrum) methodology** approach.
* Actively interacted with the Business users, product owner and the developers in the Agile team to understand the test scenarios.
* Created Test Cases and executed manually once the application was stable and documented the successful or unsuccessful completion of each test case in Excel spreadsheet for END – END Scenario based testing.
* Analyzed the user requirements, functional specifications and Use Case documents and created the
* Test Plans, Test cases for Functional testing.
* **Lead in Installation, integration, and configuration of Jenkins CI/CD, including installation of Jenkins plugins.**
* Perform Database testing using **SQL queries** to validate the Accounts, Points and Rewards associated with the Customers and Clients.
* Involved in **hybrid application testing**. (Mobile application, interrupt testing and UI testing).
* Good knowledge on Kibana and Elastic search to identify the **Kafka** message failure scenarios.
* Implemented to reprocess the failure messages in **Kafka** using offset id.
* **Utilized asynchronous JavaScript for better and faster interactive front-end.**
* Interacted with developers to resolve technical issues and investigated the bugs in the application.
* Provided clear concise feedback to Development team on recurring errors both on an individual and team basis with aim of long-term reduction of defects found in test results.
* Write the test cases based on the test scenario, test data.
* **Used Spring Rest Template to use the exposed REST web services.**
* Execute the test scripts analyze the result, manage defect using **QC.**
* Developed Automation framework from scratch using **Maven, TestNG** with java programing language.
* **Expert in BDD framework cucumber and Data driven framework selenium WebDriver, Java.**
* Work with the Automation Engineer team to automate test scripts using Selenium Web Driver, enhance the scripts, debugging the scripts
* Developed and utilized **J2EE** services and JMS components for message communication in WebSphere application server.
* Experience in Testing Databases of **RDBMS in SQL, Oracle, DB2 and SQL SERVER**.
* **Experience in cross browser testing using TestNG and hands-on experience in Selenium Grid.**
* Check, and verify the Configuration file written in **XML.**
* Use **GitHub** as a version control managements system for the automation scripts and update repository.

**Environment:** Selenium WebDriver, **Grid, Kafka, Spring, REST, Maven**, Junit, TestNG, **Jenkins,** Cucumber, SVN, SQL, SOAPUI, Java, JavaScript, XML, HTML.

**Cox Automative Inc, Austin, TX Jan 2015 to Sep 2016**

**QA Engineer**

**Responsibilities:**

* Extensively interact with the stakeholders and the IT Department in finalizing the requirements
* Extensively work throughout defect life cycle from opening to closure using **ALM**
* **Use Gherkins Syntax to test the behaviors of the Application (BDD) using Cucumber with Junit, Maven, Selenium (Web) and Eclipse (IDE) with java language**
* Work with the Automation Engineer team to identified element with **Selenium** (Web app) and developed script with java programming language
* Use **GitHub** as a version control management for the automation scripts and update repository.
* **Experienced with Agile (Scrum) methodology approach and follow-up with JIRA**
* 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
* Responsible for working on enhancing the Automation framework
* **Developed end to end application on spring boot framework (Rest API Application/Spring JPA using Crud repository).**
* Run the Test suite using **TestNG, Maven** for checking build and use **Jenkins** as Continuous Integration
* Write **SQL queries** to perform Backend Testing.

**Environment:** Spring boot, **ALM**, JIRA, Rest API, GitHub, Cucumber (BDD), Eclipse (IDE), Selenium WebDriver, Java, **Junit, Maven, Jenkins,** SQL Server.

**Wells Fargo,** **Fort Collins, CO Jan 2013 to Dec 2014**

**QA Automation Engineer**

**Responsibilities:**

* Involved in creating the test plans and test cases for each sprint
* Responsible for developing automation scripts using **Selenium** **WebDriver** and **SOAP** **UI**
* Conducted manual testing in the initial phase of the project
* Performed **API** **testing** using **JUnit** framework, writing unit test cases in Java.
* Performed some **backend** **testing** to make sure that the data at the front is in sync with the data at the backend.
* Involved in cross browsers testing using **Selenium** **grid**
* Performed **Regression** **testing** after modification in the application using **Selenium** **RC**
* Interacted with Business Analysts and Software developers for Bug reviews and QA meetings.
* Involved in client meetings to discuss the issues found while testing and understand the requirements.
* Executed comprehensive reporting to project team and management.
* Created Keyword driven Automation Framework for Web based application using Selenium WebDriver, Java & Eclipse.
* Implemented ANT to automate the built process.
* Performed API level testing for the new REST API team built using Postman.
* Prepared the test data to cover various scenarios and wrote SQL scripts to verify the database updated, inserts and deletions of the records.
* Understand test plan and estimated resource requirements to support on-time delivery of test execution.
* Built and maintained UI automation framework from scratch using Java TestNG Selenium Web driver on Web UI for playphone.com and Appium framework Automator on mobile app
* Created scripts for Web UI and Web Services applications in LoadRunner.
* Implemented Parameterization, Correlation, Rendezvous points, Image and Text Verifications in Vuser Scripts using LoadRunner.
* Extensively used Controller and Performance center to execute Baseline, Load, Endurance, and Stress test cycles.
* Analyzed Throughput Graph, Hits/Second graph, Transactions per second graph and Rendezvous graphs using LR Analysis tool.
* Configured and prepared proper performance monitoring tools and captured metrics using Introscope. Generated Server Monitor statistics like CPU usage, Disk Usage, Memory, Thread Counts, Bytes/Sec etc.
* Identified bottlenecks in Network, Database and Application Servers.

**Environment:** Java, **MySQL**, JSON, **Selenium** **grid,** Rest, Eclipse, Linux, **Selenium** **WebDriver**, **Selenium** **RC**, SOAP UI, Jira, Agile/Scrum, **Jenkins**, **Junit**, **TestNG**, GitHub.