

Surjit Singh
Email: surjitqa@gmail.com
Cell #: 707-518-0736

Professional Summary:

- Over 13+ years of experience in Software Quality Assurance and Test Automation Process in IT industry and that include Insurance applications which are **Client/Server, web-based Applications** with proficiency in both **manual and automated testing**.
- Extensive working experience on all phases of **Software Development Life Cycle (SDLC)**, its methodologies and process.
- Experience in Automation testing using **Selenium WebDriver/RC/IDE/GRID, Junit, TestNG, Jenkins, Maven, Ant, QTP, Cucumber, Jbehave, SOAP UI** and **HP Quality Center**.
- Key expertise includes testing and debugging **GUI and Multi-Applications environment** and automated testing using **Selenium Web driver** and **Selenium RC/IDE**.
- Sound knowledge on **Junit/TestNG** framework for Unit testing, **Maven** and **Ant** for Project building tool and **Jenkins/Hudson** for **Continuous Integration**.
- In depth Knowledge of **AWS** cloud service like **Compute, Network, Storage** and **Identity & access management**.
- Experience in Building **Cypress** Test using **Test Runner** and **Command Line Features**.
- Experience in Handling **Web Controls UI** using **Cypress Automation**.
- Experience in Building **npm Scripts** and Integration to **Jenkins**.
- Testing **XHR** with **Cypress** to helps in writing edge test cases.
- Prepared **Test Plan, Test Strategy, Test Data, Test Case, Test Result** and **Traceability Matrix** in **qTest**.
- Experienced in **API Testing** using **JAVA RestAssured** Library and API Testing tools such as **POSTMAN**
- Participating in rigorous meetings with testing team and TQA Lead to plan and implement the testing effort
- Expert in integrating Automation scripts (Selenium WebDriver API) on **Continuous Integration tools** and **Hudson/Jenkins** for nightly batch run of the Script.
- Good experience in **Selenium Test Environment** setup expert using the entire open source tools. Excellent knowledge in writing unique **XPath** using **firebug** and **fire path** to identify **web elements**.
- Experienced in making **Data Driven** and **Keyword Driven framework** to maintain test suite.
- Experience with comprehensive understanding of all phases of **Test Life Cycle**, including requirements gathering, test planning, and scheduling, testing, defect tracking, and reporting.
- Very Good understanding of Oracle CC&B Product Architecture , **Oracle PIP**, Data Model, **Oracle Utilities Application Framework**.
- Expertise in Automation Testing, Manual Testing, Smoke Testing, GUI Software Testing, and Backed end Testing, Black- box Testing, Functional Testing, System Testing, and Regression Testing.
- Good experience in **Web Services testing using SOAP UI, XML, & WSDL**. 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.
- Expertise in documenting defects with high level of detail, accuracy, and informative recreation steps using Quality Center, JIRA and HP ALM.
- Good programming skills in **Java, Python, VB, Oracle, SQL, PL/SQL** and experience in **SQL Server, Access** and **Oracle** Databases.
- Good experience in mobile testing using **Appium** in both **IOS** and **Android** applications using simulator and emulator.
- Experienced in **Back-End Testing, Front-End Testing, Functional Testing, GUI Testing,**







Cross-Browser Testing, Regression Testing, Integration testing, System Testing, Database testing, Positive and Negative Testing, Ad-hoc Testing, Smoke Testing and Sanity testing in any environments.

- Expertise in back ends testing and writing SQL queries, Joins, procedures using Oracle and MySQL.
- Strong knowledge of Software Development Life Cycle (SDLC) methodologies such as Agile, SCRUM **and waterfall models and TDD.**
- Experience working ETL and test tools like HP Quality center, JIRA,QTP, SeleniumRC/Web Driver, Java, Eclipse, HTML, XML, MS Office
- Extensively worked on **JMeter** to create Thread Groups and test Web Application for various loads on key business scenarios
- Preparing the daily digest report to all application leads and Offshore teams, requiring to get in-touch with progress of status
- Experience in performing **Linux** general system maintenance.
- Highly motivated team player with analytical, organizational and technical skills, unique ability to adapt quickly to challenges and changing environment.
- Excellent interpersonal skills, proven team player with an analytical bent to problem solving and delivering under high stress environment.

Technical Skills:

Testing Tools	Selenium WebDriver/RC/IDE/GRID, HP Quality Center, SOAP UI, Cypress, ALM, Cucumber, Jenkins, Cloudbees, Rest-Assured, SpringBoot
Languages	HTML, CSS, JavaScript, Java, XML, Node.js, Python, Shell Script
Test Framework	Junit, TestNG
Project Methodologies	Agile-Scrum, Waterfall, V-Model
Defect Tracking Tools	Jira, Bugzilla, HP ALM, Quality Center
Cloud Platform	Amazon Web Services (AWS), Azure
Build Tools	Ant, Maven
Databases	Oracle, SQL Server, MS Access
Operating Systems	Windows variants, UNIX
VMWare	Microsoft Remote Desktop, Parallels

Certifications:

					
Salesforce Platform App Builder	AWS Certified Solution Architect	Test Automation University Selenium Webdriver with Java	Salesforce Administrator	Test Automation University Introduction to TestNg	Certified Java Developer

Professional Experience:

Client: Deloitte, San Francisco CA

Jan 22 – Present

Role: QA Automation Lead

Responsibilities:

- Responsibility of running Jenkins job for full regression suite and for the specific builds, created Jenkins Job with all the necessary configurations.
- Provide Technical Directions by Setting Priorities and Vision for the Automation Team.
- Provide Technical Guidance and expertise to the Team Members, Colleagues and Customers.
- Lead Automation Engineering Team to create Test Automation Solution and Strategy for Projects.
- Created Multiple Frameworks i.e., Cucumber, Rest Assured and Spring boot.
- Responsibilities to Manage Jenkins for Automation Frameworks, CICD Pipelines for Automated Tests.
- Participate in the Leadership Meetings to discuss and agree on different automation testing approaches.
- Ability to manage multiple teams with more than 10 members.

Client: Apple Inc, Sunnyvale CA

June 21 – Jan-22

Role: Technical Lead (QA Automation)

Responsibilities:

- Involved in the core development of the project in Spring Boot framework
- Managed QA automation Team.
- Automated API Automation/Backend testing using JAVA with Spring Boot
- Worked on RADAR Testing as well TSTT testing
- Created Spring Boot Framework for Project from Scratch.
- Responsibility of running Jenkins job for full regression suite and for the specific builds, created Jenkins Job with all the necessary configurations.

Client: McKesson Corp. San Francisco, CA

June 20 – June 21

Role: Sr. QA Automation Engineer

Responsibilities:

- Implemented open-source web test tool **Selenium WebDriver** for cross-browsercrosscross platform web testing.
- Using **REST** web service with Java for automating partner integration testing.
- Created pom.xml in **APACHE MAVEN** and run the builds using Continuous **Integration** tool **Jenkins**.
- Created and executed **JMeter** scripts for API testing of portal.
- Extensively worked on **JMeter** to create Thread Groups and test Web Application for various loads on key business scenarios.
- Creation of Test Plan for the projects and tracking defects and requirement using qTest.
- Collaborate with various SMEs to formulate a test strategy that will include TCoE, Test Environment, Test Data (TDD) and Automation roadmap.
- Deployment of web applications on Tomcat, Apache and WebLogic server (**Linux** platform).
- Implementing a Continuous Delivery framework using **Jenkins, Maven** in Linux environment.
- Created and executed detailed test cases with step by step procedure and expected results and maintained the test logs, test reports, test issues, defect tracking using qTest and in Confluence wiki(Share point Access).
- Integrated Automation scripts (Selenium WebDriver API) in Continuous Integration tools (Jenkins) for nightly batch run of the Script.
- Used Jenkins as continuous integration server to run automated test suites.
- Triaged and fixed the failed test cases in Report Portal.
- Responsibility of running Jenkins job for full regression suite.

Environment: Java, Selenium WebDriver, Sauce Labs, TestNG, Jenkins, Maven, SOAP UI, Cucumber, Agile, JavaScript, XML, Json HTML, Fire Path, Firebug, Quality Center, MS Excel, SQL, Windows XP, Parallels, VMWare.

Client: Automatic Data Processing (ADP), Los Angeles, CA

Aug 18 – June 20

Role: QA Automation Lead

Responsibilities:

- Analyzed **business requirements** and **functional documents**, created the test **strategy document** that define the test environment, phases of testing, **entrance and exit criteria** into different phases of testing and resources required to conduct the effort.
- Worked as QA Onsite **Lead** and managed the **Off-shore teams** by bridging the Knowledge gaps and providing **KT** sessions to implement the QA process and procedures followed by the Client firm. Good onsite-offshore coordination capabilities.
- Experienced in conducting case system study of the applications for proper project planning, scope definition and Cost estimation. Experienced as **QA Lead** and managed the QA projects by taking care of the Test Deliverables which goes from QA to the Project Management.
- Using **REST** web service with Java for automating partner integration testing.
- Involve in Defect tracking and Reporting using **JIRA** defect tracking tool.
- Implemented **Data-Driven test** to verify the same functionality with multiple sets of data.
- Involved in defining test automation strategy and test scenarios, created automated test cases, test plans and executed tests using **Selenium WebDriver**.
- Implemented test automation scripts for mobile testing using **Appium** for **Android** and **iOS** applications.
- Developed automation scripts for Mobile Native applications on **iOS** and Android platforms using **Java**.
- Strong experience in automating Vulnerability Management patching and **CI/CD** tools like **GitLab, Jenkins**, and **AWS/Open Stack**.
- **Configured multiple Windows and Linux slaves for Hudson master** to distribute the load across a Farm of machines.

- Experience setting up **Cypress** project using **Node.js** and **Visual Studio Code**
- Experience in Handling **Web Controls UI** using **Cypress** Automation.
- Experience in Building **npm Scripts** and **Integration** to **Jenkins**.
- Testing **XHR** with **Cypress** to helps in writing edge test cases
- Support end-users to encourage effective use of all **CRM systems**
- Creating test plan , Walk through, integration approach and strategy document, test cases , scenarios, conditions and scripts, generated system test scripts for **Customer Relationship Management (CRM)**.
- In depth Knowledge of **AWS cloud service** like Compute, Network, Storage and Identity & access management.
- Hands-on Experience in configuration of Network architecture on **AWS** with **VPC, Subnets, Internet gateway, Route table**.
- Participating in rigorous meetings with testing team and TQA Lead to plan and implement the testing effort
- Followed Test Driven Development (**TDD**) as much as possible and written test cases using **TestNG** for every relevant
- class.
- Developed **Web API** using **NodeJS** and hosted on multiple load balanced API instances.
- Extended **TestNG** framework by adding some helper classes and methods.
- Analyzed the script execution report using java framework like **TestNG**.
- Implemented open source web test tool **Selenium WebDriver** for cross browser and cross platform web testing.
- Drafted **Test Plan** which included **testing objectives, testing phases**, scenarios and test environment after a
- thorough analysis of the business rules.
- Involved in preparing a report of all **Maven** difficulties and test results for a further application using **Maven**.
- Used **Maven** for building the Web Driver project. Ran scripts as a batch file through **Maven** and generated testing Reports.
- Used **BDD** Framework **Cucumber** for all automation test cases.
- Automated and scheduled Build using continuous integration tool **Jenkins** Server at a time.
- Used **XPath** and **DOM** to work with dynamic and static objects in **Selenium**.
- Used **Firebug** to do web-based application testing with selenium for the commands and locator application.
- Involved in providing the efficient locators strategy like **XPath, modified XPath** and **CSS** to run **WebDriver** script in stable condition.
- Performed Web services testing using **Soap UI** and **Rest-Assured**, on Soap and RESTFUL web services.
- Develop **Python** scripts to automate the test cases.
- Created **manual test cases**, reviewed with different stakeholders to validate the functionality.
- Reported defects found during test cycles and track the defects and retest fixed modules by using **Quality Center**.
- Prepared test data by executing **SQL** queries. Created **SQL** queries for data validation testing at the back-end for database related applications.
- Extensively worked on **JMeter** to create Thread Groups and test Web Application for various loads on key business scenarios.
- Created and executed **JMeter** scripts for performance testing of portal.
- Edit and debug tests using Selenium Participated in meeting, teleconferences walk through with the development team, QA manager and Project manager (PM).
- Performed Cross Browser Testing Using Sauce LABS Enterprise version and Automated that using Jenkins.

Environment: Java, Selenium WebDriver, Sauce Labs, Node.js, TestNG, Jenkins, Maven, SOAP UI, Cucumber, Python,

Agile, JavaScript, XML, Json HTML, Fire Path, Firebug, Quality Center, MS Excel, SQL, Windows XP.

Client: BMO Harris Bank, Chicago, IL.

Jul 17 – Jul 18

Role: Sr.QA Automation Engineer

Responsibilities:

- Followed Test Driven Development (**TDD**) as much as possible and written test cases using **TestNG** for every relevant class.
- Drafted **Test Plan** which included **testing objectives**, **testing phases**, scenarios and test environment after a thorough analysis of the business rules.
- Involved in preparing a report of all **Maven** difficulties and test results for a further application using **Maven**.
- Used **Maven** for building the Web Driver project. Ran scripts as a batch file through **Maven** and generated testing Reports.
- Analyzed the script execution report using java framework like **TestNG**.
- Used **BDD** Framework **Cucumber** for all automation test cases.
- Automated and scheduled Build using continuous integration tool **Jenkins** Server at a time.
- Used **XPath** and **DOM** to work with dynamic and static objects in **Selenium**.
- Involved in defining test automation strategy and test scenarios, created automated test cases, test plans and executed tests using **Selenium WebDriver**.
- Included **security groups**, **network ACLs**, **Internet Gateways**, and **Elastic IP's** to ensure a safe area for organization in **AWS public cloud**.
- Identified mobile elements using **Appium** Inspector.
- Used **Appium** to facilitate mobile testing by creating mobile Driver class with the required Mobile capabilities.
- Built **S3 buckets** and managed policies for S3 buckets and used S3 bucket and **Glacier** for storage and backup on **AWS**.
- Used **Firebug** to do web-based application testing with selenium for the commands and locator application.
- Involved in providing the efficient locators strategy like **XPath**, **modified XPath** and **CSS** to run **WebDriver** script in stable condition.
- Verified, edited and update test data in new or existing systems before testing.
- Performed Web services testing using **Soap UI** and **Rest-Assured**, on Soap and RESTFUL web services.
- Implemented open source web test tool **Selenium WebDriver** for cross browser and cross platform web testing.
- Created **manual test cases**, reviewed with different stakeholders to validate the functionality.
- Reported defects found during test cycles and track the defects and retest fixed modules by using **Quality Center**.
- Prepared test data by executing **SQL** queries. Created **SQL** queries for data validation testing at the back-end for database related applications.

Environment: Java, TestNG, Selenium WebDriver, Python, Agile, JavaScript, XML, HTML, Fire Path, Jenkins, Maven, SOAP UI, Cucumber, Firebug, Quality Center, MS Excel, SQL, Windows XP.

Client: Office Depot, Boca Recon, FL.

May 16 – Jun 17

Role: QA Automaton Engineer

Responsibilities:

- Interacted with Project manager, business analysts and developers to understand the application design and functional specifications.
- Effectively implemented different QA methodologies/policies, strategies and plans in all stages of SDLC.
- Designed and Developed Test Cases for automated testing using **Selenium WebDriver**.
- Involved in configuring application framework by processing excel spreadsheets using Apache POI and executing the test scripts parallel using **TestNG**.
- Executed test cases using **TestNG** parameters, data providers, groups and parallel test suites.
- Created automated **Test Suite using Selenium and WebDriver**.
- Performed the White box testing using **Java**.
- Used **Selenium WebDriver API** to automate tests on **cross browser** and **cross platform** environment.
- Designed Hybrid Framework using **Maven**, Page Object Model & **TestNG**.
- Created the tests that have no user interaction as a set and executed them as Batch tests using **Maven**.
- Wrote test cases in **Cucumber** and automate the web application.
- Wrote test cases, implemented ran and added versions and iterations using Test Manager for **positive, negative** and **END-TO-END** Test cases.
- Maintained continuous test integration and automatic build by using **Jenkins** and mailed the build outputs to the team members.
- Maintained automation builds on Continuous Integration (CI) tool **Jenkins**.
- Design and prepared test plans for White Box Test Approach & Test cases.
- Responsible for understanding high level (cross-Browser) business processes related to their application area and its interfaces to other applications.
- Created data driven automation scripts for testing API Web Services using **SOAP UI**.
- Performed Regression testing of applications after defects are fixed and any new functionality is implemented in to the QA. Supported the Business team for executing **UAT test cases**.
- Performed Defect Resolution and Maintenance using **HP ALM**.
- Verified backend data validation using SQL. Used **SQL** to verify data in the backend for the test entry points on **SQL** server database.
- Attended Defect Review meetings with Developers, Tech Lead, Team Lead and Project Manager to discuss issues regarding the Open defects, resolved defects and all other defects associated to the Source system.
- Involved in estimation and preparation of test case scenarios and test plan documentation for validating and reporting.
- Coordinated with technical support associates to fix proprietary software issues.

Environment: Java, Selenium WebDriver, SOAP UI, HP ALM, Jenkins, Maven, TestNG, Cucumber, JavaScript, HTML, SQL, MS Office Suite, Windows XP.

Client: Occupational Health Systems, Knoxville, TN.

Sep 15 – Apr 16

Role: QA Engineer.

Responsibilities:

- Worked closely with business analysts and developers for thorough requirements review and developing test scenarios.
- Performed various testing methods like **Functional, Usability, Security, Navigational** and **UAT** testing by

creating automated scripts using **Selenium WebDriver** and manually.

- Developed automation test scripts using **Selenium WebDriver**.
- Extended **TestNG** framework by adding some helper classes and methods.
- Developed **Selenium** test cases using **TestNG framework**
- Worked on Data Driven Framework and **MVC** for Automation **test scripts**.
- Integrated **Selenium WebDriver** with existing **API** to test framework.
- Used **Maven** for building the WebDriver project.
- Developed System Test Cases and procedures to test various application points.
- Involved in Look and Feel testing of the application windows using the deliverables.
- Designed smoke, sanity, acceptance, functional and regression test cases.
- Used **Firebug** Tool to identify the Object's id, Name, **XPath**, link in the application.
- Developed test scripts for web services using **SOAP UI** and worked with **XPATH**.
- Performed various testing activities like **GUI** testing, functional testing, browser compatibility testing, regression testing.
- Analyze best automated and **Manual Test** approaches and identify improvements.
- Analyzed test results, tracked the defects and generated reports using **JIRA**.
- Ran **SQL** queries to perform Backend Testing.
- Attended project meetings, release meetings and QA status meetings.

Environment: Selenium WebDriver, TestNG, Maven, Soap UI, Jira, XML, HTML, XPath, Firebug, SQL and Windows.

Client: Rent A Center, Plano, TX.

Nov 14 – Aug 15

Role: QA Engineer

Responsibilities:

- Involved in testing various business rules User/Customer functionalities, and Change Processes.
- Developed re-usable function using **JUnit** for the Test Automation.
- Worked on creating test case for Object -driven framework for **Selenium WebDriver**.
- Involved in automating test cases using **Selenium WebDriver with JUnit**.
- Extensively used **Selenium IDE** to record, playback and debug individual test cases, using **Selenium** provided more flexibility in automating test cases.
- Setup the Automation framework using **Selenium WebDriver** to run test cases in multiple browsers and platforms.
- Developed automated script for back-end testing using **Selenium**.
- Extensively involved in creating **JUnit** scripts for one agile project.
- Used automated scripts and performed functionality testing during the various phases of the application development
- using **Selenium IDE**.
- Performed Integration and Regression testing to check compatibility of new functionality with the existing functionalities of the application using **Selenium**.
- Used **SOAP UI tool** to test SOA based architecture application to test **SOAP services** and **REST API**.
- Developed **SQL Scripts** for Backend Testing to ensure that the data is updated as per the Business

Rules.

- Prepared user documentation with screenshots for **UAT (User Acceptance testing)**.
- Coordinated with developers and record defects in **JIRA** to track until they are resolved.
- Demonstrated ability to solve complex automation challenges involving Ajax, dynamic objects, custom object types, unexpected event handling.

Environment: Java, Selenium WebDriver/IDE, Junit, JavaScript, HTML, Eclipse, Jira, SOAP UI, MySQL, Agile Windows.

Company: VSoft Technologies, India

Mar 11 - Oct 14

Role: QA Manual Tester.

Responsibilities:

- Identified the test requirements based on application business requirements and blueprints.
- Performed manual testing and maintain documentation on different types of Testing viz., Positive, Negative, Regression, Integration, System, User-acceptance, Performance and Black Box.
- Involved in analyzing the applications and development of test cases.
- Involved in doing System testing of the entire applications along with team members Applications are tested manually.
- Executed test cases and reported status of the test cases.
- Conducted functionality and regression testing.
- Performed static and dynamic testing to test the application.
- Used HP Quality Center for defect tracking and to report the bugs.
- Developed various reports and metrics to measure and track testing effort and maintained Requirement Traceability Matrix (RTM).
- Analyzed and reviewed the software requirements, functional specifications and design documents.
- Proficient in QA processes, test strategies and experience in creating documents like Test plan and Test procedures.
- Developed test scenarios and test procedures based on the test requirements.
- Documented errors and implemented their resolutions.
- Created test scripts, executed test scripts.
- Developed Test Objectives and test Procedures.

Environment: Java, Manual testing, Quality Center, Java, SQL, Oracle, Windows. **Education:** Bachelor of Science in Information Technology (BSC.IT). INDIA **References:** Will be provided upon request.