**Arjun**

 **Sr.QA Automation Engineer /SDET**

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#### OBJECTIVE:

A challenging position in my vast experience in Quality Assurance, Manual and automation testing tools like Selenium,Robot Framework, Serenity BDD Framework, ETL & QTP across multiple technologies and Platforms.

#### SUMMARY:

* A highly competent and results oriented Automation Analyst with 10+ years of experience in Manual Testing, Selenium, QTP & Protractor Automation tools.
* Having 6+ years of experience in SDET.
* Experience in multiple domains like Healthcare, Banking, Communications,Insurance, Siebel, SAP(HR), E-Commerce, CMS (Drupal, Ektron, Sharepoint) & Angular JS with different environments in Java/UNIX and Windows NT.
* Expertise in open source automation tools: **Selenium WebDriver**, **Robot Framework** **Serenity BDD Framework, JUnit, TestNG.**
* Proficient in developing and executing high quality Test Plan, Test Scripts, Test Cases from Requirements documents, Functional specification, Detail Design Documents.
* 7 years of experience in Information Technology, with specializing in Software Quality Assurance Testing, proficient in testing on Client/Server and Web based applications and experience on Core Java, OOPS concepts.
* Expertise in Selenium automation using Selenium WebDriver, Selenium Grid, Python, pytest. NUnit.
* Creating and executing automated test for web application using Selenium, Appium. Python.
* Experience with Test Automation tools such as Cypress, Selenium, TestNG, Jmeter, Junit.
* Well-exposed in embedded system development, QA testing, and embedded system applications
* Expertise in designing the automation scripts by using Serenity BDD framework in Java and Robot Framework in Python.
* Hands-on experience with Core Java, Java/J2EE, JSP, Spring Technology Stack, Adobe CQ, WebSphere Application Console and Server, Rest Web Services.
* Experience in developing the Framework using Core Java/C#/Javascript and Python language and organizing the framework as per the given requirement. Also experienced in Data migration testing worked with Dev and DBA.
* Experience in Selenium IDE (HTML, Python, Junit, C#, Core java, JavaScript/Typescript scripting methods) using any Framework for creating automated test scripts and used SOAPUI for API Automation.
* Experienced in developing automated test scripts using Playwright, Selenium WebDriver, HP Quick Test Professional (QTP/UFT), Java, Python, developing tests using TestNG, Junit frameworks.
* Experience includes development of automated regression test scripts using selenium, protractor, cypress and jasmine, mocha framework with Java, JavaScript, Scala and JSON.
* Worked extensively on spring modules and concepts such as Inversion of Control (Dependency Injection), MVC, JDBC Template and AOP. Possess strong knowledge in Java/J2EE design patterns.
* Worked on web frameworks such as Struts and other application servers such as Bea WebLogic, also viewed technologies such as Freemarker.
* Possess hands-on experience with UI technologies such as JavaScript, JQuery, HTML and CSS and various content management tools.
* Delivered java based standalone application using Industrial automation protocol such as Modbus which was used as configuration tool for vifyous industrial PLC, Modbus RTU. Controllers used in Oil and Gas.
* Possess excellent knowledge on Adobe CQ system using technologies like Adobe CQ/AEM, Java/J2EE, Eclipse, Splunk, Endeca, Fusion, Git, SVN, Bit bucket, Confluence, Akamai server, Spinnaker, Google Cloud Platform, Lucidworks, Dynatrace, Stash, Restful Web Services, Postman, Hadoop, Big Data, Map Reduce, Spring Boot, Spring Microservices, JDK1.7, Tomcat 7, Mockito, JUnit, Jira, JSP, JavaScripts, DB2, Browser debugging tools, Jenkins.
* Possess good knowledge on build automation tools such as Maven and continuous integration tools such as Jenkins.
* Worked on a Visio design tool. Possess good working knowledge on IDE’s such as Eclipse, Spring Tool Suite and PL/SQL Developer, Splunk logs, Aqua Data Studio.
* Possess working knowledge in PL/SQL, Stored Procedures, cursors, Indexes and triggers in Oracle.
* Possess good knowledge on writing automated unit and integration test cases using JUnit, Mockito for mocking and also have experience of using Selenium.
* Experienced in Rest Web Service development for both Xml and Json data types using Advanced Rest Client. Possess fair knowledge on SOA and REST architectural style and design principles.
* Have knowledge of some basic UNIX commands and AWS.
* Worked on version control tools like SVN, Git, GitHub and WinCVS.
* Well versed with complete Software Development Life Cycle (SDLC) of both Agile Scrum and Waterfall methodology.
* Possess working knowledge of Ecommerce Solutions.

#### TECHNICAL SKILLS:

Automation Tools : Tricentis TOSCA, Selenium WebDriver, Robot Framework, Playwright, Serenity BDD

 Framework, QTP, Protractor, Cypress,RQM, Edifecs, PEGA, SAP TAO,

 Maven, Ant,AWS, Jenkins,Groovy.

Performance Tools : JMeter, ETL, BlazeMeter, NeoLoad.

Management Tools : QC, Mantis, JIRA and Rational Clear Quest.

Continuous Integration: Jenkins, GIT, GitHub.

Languages : Core Java,Python, Java Script, VB script, SQL, PL/SQL, C, HTML

Databases : Oracle, BigData, MS SQL Server, IBM DB2, MySQL, Microsoft Access

MS Office Tools : Word, Excel, Project, Visio, PowerPoint.

Operating System : Windows 95 / 98 / NT / 2000/XP, UNIX.

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#### PROFESSIONAL SUMMARY:

##### Client: Fiserv, Chicago, IL

##### Role: Sr.QA Automation Engineer/SDET Oct 2021 – Present

**Fiserv, Chicago,**

**Tools : Tricentis Tosca, SOAPUI, QTP, UFT,**

**Responsibilities:**

* Create Gherkin automation test scripts for functional, web service and database testing using Java 8, Spring,JSON.
* Execute tests from Java IDE and improve test coverage iteratively as new features become part of regression and other test cycles.
* Participate in developing and documenting User Stories, including testing estimates and validation tests using tools like Jira, Intellij, Cucumber, Gherkin, Postman, Swagger, Gradle, Mvn, Splunk, Git, Stash,Amazon web services (AWS)
* Developed BDD tests using Cucumber by writing features and Developed Required Selenium support code in Python for Cucumber
* Configured Selenium WebDriver, PyTest, pip tool and created selenium automation scripts in python.
* Experience on core java, OOPS concepts.
* Setup, maintained and executed an automated testing framework using the SeleniumWebDriver and Appium based Katalon Studio automation tool, writing test scripts using Groovy
* Develop code for web automation testing using Cypress, Selenium and Protractor framework, JAVA, JavaScript and JSON.
* Automated Angularjs application module using protractor and jasmine and created specs for various functional scenarios. Used Core Java for creating test cases using Selenium.
* Setting up application interaction with Mod Poll and Mod Scan using Modbus protocol for data retrieval.
* Responsible for creating test scenarios for user stories and creating automation test suites using Python, Selenium Webdriver. Pytest framework.
* Design, implement, present mobile automation framework utilizes Python, Selenium. Pytest. Appium, Allure (IOS, Android), Xcode.
* Committing the developed code from terminal using Git commands. Creating branches and tagging the code.
* Write chef cookbooks and deploy docker container for infrastructure as a service
* Using Stash for code maintenances.
* Managing the team during release and migration process.
* Perform REST webservices setup and testing using Postman, checking in Swagger.
* Develop automated tests for features developed in-sprint.
* Creating automation Jenkin jobs and running them for regression testing. Expertise in writing automation scripts using JAVA and Groovy.
* Hands-on experience on Playwright Testingfor end-to-end test framework for Angularjs applications and other JavaScript applications.
* Development of Unix-based test harnesses for automated regression testing Black Box and White Box to interface to embedded computer 19mm Digital Tape Recorders using the Small Computer System Interface SCSI standard.
* Maintaining and running the code between develop, master, prod branches and merging them using Git commands.
* AWS,Docker,Monitoring,cloud admin,ansible,terraform.
* Participated in major phases of Software Development Life Cycle like Functional Specification Documentation preparation, Code Development, Testing and Implementation
* Implementedtest automation scripts for mobile testing using Appiumfor Androidand iOSapplications.
* Conducted development and testing manual and automated using the existing software test environment and processes for all aspects of embedded system testing. The environment is also Agile, test-driven development (TDD), behavioral-diven development (BDD) and continuous integration.
* Developed automation scripts for Mobile Native applications on iOSand AndroidExperience in **Back End testing using Groovy Script** using Appium andJava.
* Experience in Page Object Model (POM), Data Driven, Behavior Driven Development and Keyword Driven: Framework with Web Services tools like SOAP UI, REST API.: Possess good exposure to Continuous Integration / Continuous Delivery process/set ups (CI/CD)
* Implement test automation framework into CI/CDpipeline using TFSand TeamCity .
* Developed Automation Framework for VT MVP project using LeanFT and NUnit which integrate with TFS for CI/CD**.**
* Integrated Appiumwith Sauce Labsfor distributing tests on the cloud.
* Identified mobile elements using Appium Inspector, UI Automator Viewer **.**
* Used Appiumto facilitate mobile testing by creating mobile Driver class with the required Mobile capabilities.
* Good experience in mobile testing using Appiumin Androidapplications using simulator and emulator.
* Perform desk checks and code reviews.
* Developed Web UI and API automated tests using Robot Framework, Selenium and WebTest library
* Extensive experience in Web front-end and back-end test automation using Java, JavaScript, Selenium WebDriver and Robot Framework.
* Experience in building and maintaining regression test suites and automating them in javadicipt using frameworks sach asCypressand for efficient and effective testing.
* Checking logs using Splunk.
* Develop, document, and maintain the test strategy and test scenarios.
* Partner with the developers to ensure all areas of the application are fully tested and issues are clearly logged and prioritized consistently.
* Comprehensive knowledge of embedded system test plans, procedures, and testing standards.
* Cloud docker, g cloud container kubectl API for deployment.
* Checking databases and updating them using Sql queries.
* Experience in developing embedded applications using RTOS Nucleus (QNX), Threadx, OSE, IOS-XR. VxWorks and Linux.
* Tested the REST calls (POST, GET, PUT, DELETE methods) using POSTMAN and Playwright.
* Partner with developers to find technical solutions for test automation.
* Involved in automation testing using TOSCA
* Worked with all modules of TOSCA like modules, Test cases, requirements, Test Case Design & Execution Lists.
* Work with Integration Build teams to manage dev, QA and production release of software.
* Provide exploratory testing to understand the feature and how it is implemented, to find additional or unexpected behaviour, and to refine and define additional test cases for the feature.
* Attending product release calls and migration calls between active and inactive environments and running Jenkin jobs to make sure everything is working fine.

**Technologies:** Java 8, Java/J2EE, core java, Intellij, Cucumber, Playwright, Modbus-TCP/RTU, Appium, Gherkin, Node JS, React JS, REST web services, JavaScript, Postman, Swagger, Jenkins,Cypress, Gradle,Python, pytest Groovy,Mvn, Splunk, Git, Stash, JSON, java script, JMeter, AWS, Docker, Jenkins, CI/CD, mocking tools, component, inpod testing, TestNG, Maven, XML, AP, IAkamai server, Spinnaker, Google Cloud Platform, Spring Boot, Spring Microservices, Tomcat 7, Mockito,AWS, JUnit, JSP, JavaScripts, DB2, Browser debugging tools, databases,

**Client : TFS, Plano, TX Aug 2018 to Sep 2021**

##### Role : Sr. QA SDET Engineer

##### Tools : Selenium, Robot Framework, Serenity BDD Framework, SoapUi, JMeter, Appium

**Responsibilities:**

* Solve Production and Stage issues related to Adobe CQ/AEM in CQ Authors both for HP.
* Supporting complex database objects like Stored Procudures, Functions, Packages, Triggers using SQL and PL/SQL.
* Monitoring Lowe’s business in Splunk, Spotlight, Network dashboard, Mpulse etc.
* Monitoring Dynatrace graphs for CQ CPU, Endeca Response Time, Pricing Services Response time, Data Power Connections, Catalog Services Response Time, Fusion Response Time etc.
* Explore new tools/technologies like Katalon Studio and Cypress.
* Upload and manage Lowe’s digital assets and images from DAM and Scene7.
* Update in AEM Tools, MSM Control Center to Skip, Unskip, Rollout CQ pages.
* Maintain mobile blueprint and desktop live copy pages and update, maintain and change the inheritance.
* Responsible for creating test scenarios for user stories and creating automation test suites using Python**,**Selenium Webdriver**,**Pytest framework.
* Wrote and executed automated tests in Typescript/Playwright for a browser-based application.
* Experience on core java, OOPS concepts.
* Developers, Performed different kinds of tests in automation: SmokeTest and Regression Testing using Selenium used Core java language to update the test scripts.
* Design automation framework using Python, Pytest, Selenium.
* Tested many features in an agile environment using Python**,**Django**,**HTML5, CSS**,**JavaScript.
* Configured Continuous Integration environment, using Jenkins to kickoff daily builds and automation suites Jenkins, Maven and GitHub. Python.
* Responsible for creating test scenarios for user stories and creating automation test suites using Python, Selenium Webdriver. Pytest framework.
* Design and develop and test high-quality embedded software for automotive customers delivering HMI Infotainment. Instrument Clusters, Displays, Audio, or Connectivity electronics control modules.
* Firebase CLI,REST API,Node.js,javascript and python scripting to access production firebase,kubernetes and docker.
* Create/maintain test suites in JavaScript, Python and Robot Framework.
* Software test automation using Robot Framework using selenium library, Jenkins for continuousintegration, Git for version control.
* Applied test automation framework on CI/CDprocess using Jenkins**.**
* Validation on continuous integration and continuous delivery (CI/CD) concepts.
* Build CI/CD pipelines using Git and Azure Devops, collaborate with Development and QA teams to integrate automated tests into the CI/CD pipelines
* Utilized Robot Framework to create test scripts for a Python/Java based software.
* Check 12 CQ Publishers, 12 Dispatchers, Akamai cache in both WSDC and SADC side.
* Lowe’s mobile and desktop Home pages, Category pages, Landing pages, Store pages, Brand pages, Flyouts are authored in AWS.
* Querying in Splunk logs to check the status of errors, CQ updates.
* Solve Production and Stage taxonomy issues, follow up with the taxmap updates.
* Participate in CQ Author upgrade from AEM 6.0 CRX2 to AEM 6.2, CQ Publisher upgrade from AEM 6.0 CRX2 to AEM 6.2, Dispatcher changes to support new CQ version.
* Update legacy Lowe’s Store Hours in CQ Author, upload stores.csv, clear dispatcher cache, clearing Akamai cache.
* Implemented simulator for mobile app testing in IOS, Android using Appium Tool.
* Implemented Appium Scripts to test iOS and Android platforms
* Implemented test automation scripts for mobile testing using Appium for Android and iOS applications.
* Executed the Test Plans on web and Mobile as per requirements using Appium tool.
* Implemented simulator for mobile App Testing in Android Platform using Appium.
* Developed automation scripts for Mobile Native applications on iOS and Android platforms using Appium and Ruby.
* Performed manual and automated testing using testing tool selenium webdriver and Appium**.**
* Update Lowe’s Store Hours in Google Cloud Platform (GCP) by running storeinfo.etl, storedata jobs in Spinnaker.
* Deploying the project in Spinnaker and check store hours are coming correctly in, Google cloud platform—in Datastore Entities.
* Setting up application interaction with Mod Poll and Mod Scan using Modbus protocol for data retrieval.
* Websphere Commerce Stores registry refresh, commerce finance registry refresh.
* Solving issues on NodeJS by debugging NodeJs code base.
* Solving level3 technical issues by debugging CQ code base for both Lowe’s Home Improvement and Lowe’s For Pros.
* Solve issues related to Lowe’s Banner not showing on various pages in Adobe Test & Target for Landing pages and Category pages.
* Solve banner related issues on Lowe’s Product List pages and Product Detail pages.
* Check Catalog services (web services) in Postman and Soap UI.
* Solving issues on Endeca, searching and updating product N values in Endeca search engine.
* Solving issues related to Fusion rules on Lucidworks.
* Check and solve AEM issues from Author to Publisher to Dispatcher, Origin, Akamai server and production.
* Good experience with AWS
* Checking in and checking out codes from Stash.

**Technologies:** Adobe CQ/AEM, Java/J2EE, core java, Playwright, pytest, Modbus-TCP/RTU Appium,Cypress, Eclipse, Splunk, Node JS, JavaScript, React JS, Bit bucket, Jenkins, Endeca, Fusion, Akamai server, Jira, Git, Confluence, Linux, Hadoop, Big Data, JSON, java script, JMeter, AWS, Docker, Jenkins, CI/CD, mocking tools, component, inpod testing, TestNG, Maven, XML, APIMap Reduce, Spinnaker, Google Cloud Platform, Lucidworks, Dynatrace, Stash, Restful Web Services, Postman, Node JS, Spring Boot, Spring Microservices, JDK1.7, Tomcat 7, Mockito, JUnit, JSP, JavaScripts, DB2, Browser debugging tools, Jenkins, EditThisCookie, Dbeaver.

**Client: Dow Jones, Monmouth JN,NJ March2016 to July 2018**

 **Role: Sr.QA Automation**

##### Tools: Selenium, Appium

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**Responsibilities:**

* Documented test artifacts(Test Plan, Test Cases, Test Matrix) from design documentation and functional specifications
* Extensively automated regression and functional test suites by developing over 200+ test cases, 8 test suites using Selenium WebDriver, JAVA, TestNG
* Implemented Hybrid framework from the scratch.
* Working with Java to use Selenium-Webdriver API library to write Automation scripting.
* Review and analyze system requirements to create embedded software designs.
* Used Selenium Grid, Desired Capabilities, Remote WebDriver for distributing the execution in different machines, platforms and browsers.
* Used Eclipse to debug Java code and utilize Maven as Project Builder with internal Maven Dependency repository.
* Used Appium toolto develop automation test scripts on Android platformsfor native applications on mobile devices.
* Used Appium for native, hybrid Mobile Application Testing for IOS and Android platforms**.**
* Used Appium for**.**
* Used Maven to configure the dependencies to run framework and GITHub for version control.
* Used Jenkins for continuous integration, to compile, build and set up run schedule.
* Performed exception handling using test Automation Framework, Cross platform test Automation try catch finally blocks.
* Developed test automation framework scripts using Python Selenium WebDriver,
* Implemented Page Object Model framework with Python and Selenium.
* Develop and maintain automated tests using Python and the Robot test framework.
* Developed entire frontend and backend modules using Python on Django Web Framework.
* Developed new test scripts for the regression and sanity testing & Execute the scripts.
* Prepared and executed test suite through TestNG via Ant and generated XSLT reports.
* Verify the Automated Test Result,and Logging the Defect in Mantis and updating status to the higher management.
* Using the Agile methodology and scripts will be prepared based on the Sprints/Stories assigned by the Scrum Master.
* Performed Mobile testing for devices like Android, Apple, Ipad etc.
* Create modular/reusable embedded software design along with associated documentation.
* Prepared the SQL queries for database testing.
* For API testing, Created the SoapUI functional testcases and generating the test reports.
* Integrated the SoapUI pro project with selenium to write test scenarios.
* Performed performance testing by using JMeter for measuring web application performance and Load Stress capacity.
* Develop and Design ETL test cases, scenarios, and scripts to ensure quality Data warehouse / BI applications
* Participated in system walk-through and inspection meetings to understand the business rules and system operation flows.
* Having good experience in Hadoop and creating SQL queries.

**Environment:** Selenium, core java, Appium, REST API,Cypress, Cucumber, TestNG, SQL, Mongo DB, Oracle, Java and Maven,SoapUI,JMeter, GIT, Jira, Intelli J, AWS, Eclipse , Jira and Confluence

**Client: Eit Cafe, India Jan 2014 to Aug 2015**

 **Role : Sr.QA Automation Engineer**

**Tools : Selenium, Protractor tool & Manual**

**Responsibilities:**

* Designed the Automation test Scripts using Selenium Webdriver.
* Requirements gathering from the client & understanding the requirements.
* Prepared the Test plan document & Level of Estimation (LOE) document.
* Designed the test scripts using Selenium Webdriver and to handle the tests with Jasmine framework.
* Performed cross browser testing & Mobile automation testing on different browsers such as IE, Safari, Firefox, Chrome.
* Built python framework to transform Datasets and Data tables into HTTP-serializable JSON strings.
* Developed Python application for Google Analytics aggregation and reporting
* Wrote python scripts to read and write from csv files to database using Django ORM.
* Runs the test by using Spec file and Configuration file and debugging the test scripts.
* Worked with the CI process to reduce risk by using tools like Jenkins, GIT etc.
* Integrated the SoapUI pro 5.0.0 p cdroject with selenium and cucumber(BDD) to write test scenario in a readable fashion.
* Used Java along with Robot Framework to write simple and faster running test cases.
* Mobile automation of android and windows app using Appium and Selenium Webdriver, Robot Framework.
* Create, manage and execute GUI & API automated tests in Pycharm using Python, Selenium and Robot Framework
* Created the SoapUI REST functional testcases and generating the test reports.
* Performed the load testing and stress testing by using JMeter apache tool.
* Performed database testing by writing and executing SQl queries.
* Experinced with AWS migration by using cloud.
* Status reporting on daily and weekly to the higher management and to client.
* Defect finding and logging the bugs in Jira tool for defect reporting system.

Environment: Selenium, Java, Shell Script ,Cypress, Python, Web Driver, Appium, REST API, Cucumber, TestNG, Oracle,SQL, Mongo DB, Java and Maven,SoapUI,JMeter, GIT,AWS, Jira, Intelli J, Eclipse , Jira and Confluence

**Client : Keystone logic,India Dec2012 to May 2014**

 **Role : Sr. QA Analyst**

**Tools : Selenium Web driver, Manual**

**Responsibilities**:

* Created and updated test scenarios, test plans, and test cases according to user story and design.
* Performed architect, design and develop test cases and test scenarios against business requirements that were scalable, maintainable and extensible.
* Created a maintainable and reusable hybrid test automation framework.
* Maintained data driven Test Suites for subsequent Regression testing.
* Utilized Selenium Webdriver , Selenium-Grid with TestNG to perform cross browser Fuctional Testing for easier maintenance, reusability and readability of scripts using java.
* Perform Cross Browser Compatibility testing using FirefoxDriver, ChromeDriver, InternetExplorerDriver etc.
* Used Firebug and Firepath to identify object,Xpath,CSS Selector,ID,Name locators.
* Prepared and executed batch test suite through TestNG framework via Ant.
* Prepared the test scripts for multiple scenarios like Mouse Hover, Dropdown list, text identification etc.
* Used Cucumber BDD tool for developing the framework for the Acceptance testing.
* Used Selenium Grid, Desired Capabilities, remote WebDriver for distributing the execution in different machines, platforms and browsers.
* Used Maven to configure the dependencies and to run framework
* Used Git as repository and Jenkins tool for continuation Integration.
* Prepared Test Plan, Metrics, and risk & mitigation for all the major releases.
* Worked on the QC Customization for tracking the defect in very efficient manner.
* Logging the Defect in Quality Center(QC) and updating status to the higher management.
* Prepared Test Report based on the test execution and will send the report to client on weekly basis.

Environment: Selenium, Appium, REST API, AWS, Cypress, Cucumber, TestNG, SQL, Mongo DB, Java and Maven, SoapUI, JMeter, GIT, Jira, Intelli J, Eclipse , Jira and Confluence

#### EDUCATION:

Bachelor of Engineering in Computer Science & Information Technology, India.