**Lalitha Sri**

**QA Automation Expert**|| **SDET Engineer**|| **API Tester**|| **Mobile Tester**|| **Manual Tester**

**Professional Summary:**

* Over **8+ years** of experience as a **QA Automation Engineer** - **SDET,** extensively worked on **Manual, Automation**, **DevOps** Testing of **Web Client Server**, **Cloud**(AWS), **Mobile**, **API, Webservices** applications
* Excellent knowledge and implementation skills in complete **Software Development Life Cycle** (SDLC) and **Software Testing Life Cycle (STLC).**
* Expertise in understanding Business Requirement Specifications, Functional Specifications and Design documentations and converting them into Test Scenarios. Worked on **Protractor, JavaScript, Jasmine** to automate **angular JS** applications and performing Regression testing.
* Hands on experience in developing **Appium scripts** using **Java** for mobile applications and Used Perfecto mobile.
* Experience in **Core Java**, development by applying different concepts like **OOPS concepts**, Collections, Strings, Exception handling, Multithreading, etc. and experience in **Groovy** and **JavaScript**.
* Experience in testing both **SOAP** and **REST** services using **SOAP UI**, **Groovy Script**, **Postman** and **Tested both XML** and **JSON** formats.
* Developed and maintained automated test scripts for Regression testing using **POM** framework with **Java, Selenium** **WebDriver** and **TESTNG.**
* Used **Appium** tool to test automation test scripts on both **IOS** and **Android** platforms for native and **mobile** websites on mobile devices.
* Proficient in the Web Debugging Tools like **Firebug, Fire path** and **Xpath** to run **WebDriver** script in stable condition.
* Sound knowledge on **Junit, NUnit, TestNG** framework for **Unit testing, Maven** and **Ant** for Project building tool, **Jenkins/Hudson/Bamboo** for Continuous Integration.
* Experience in doing performance testing of service using **qaeter, HP Load Runner**.
* Developed an automated scripts and frame works using **Java, C#, Groovy Script, VB Script**.
* Working experience with defect tracking tools like **HP ALM/Quality Center, Taiga, Jira, Confluence, Microsoft Team Foundation Server(TFS).**
* Expertise in performing **Android Emulators & IOS Simulators** for Mobile Automation Testing using **Appium** for **Native, Hybrid and Web Based** mobile applications.
* Experienced in Data Migration using **Apex Data Loader**, and Third Party ETL tools like **MS-SSIS**, **Informatic.**
* Exposure to Continuous integration tools like Jenkins, Hudson, and Bamboo.
* Expertise in Problem solving and Defect Tracking Tools like **Quality Center**, **Bug Zilla** and **JIRA.**
* Experienced in developing **VB scripts** in Quick Test Pro (QTP/UFT) to perform Functional, Regression, System and end-to-end testing.
* Proficient in writing Selenium Web Driver automation scripts in JAVA using Maven, Cucumber, and TestNG Automation Testing for Web Applications.
* Experience in Behavior Driven Development (BDD), Acceptance Test Driven Development (ATDD) using Cucumber, Gherkin.
* Wrote Features, Scenarios, Scenario Outlines, Step definitions for BDD in Cucumber.
* Developed function libraries, shared repository, Descriptive programming, Recovery scenarios using **QTP.**
* Worked in building automation scripts and frameworks using Selenium Web driver with **Java.**
* Experienced in performing Data driven testing to validate the components displayed on the website using **Selenium.**
* Comfortable in building and configuring maven and **Jenkins.**
* Experienced in **Mobile Automation** Testing on **IOS platforms** using **Iphone & Ipad** Devices with Automation tools with Keep It Functional [KIF] and **Appium.**
* Experience in the development of **TestNG**framework in **Selenium.**
* Proficient in testing database of applications developed with **MySQL**, **SQuirrel SQL, Postgres, and Oracle.**
* Strong in writing **SQL** queries to perform backend data validations.
* Experience with source version control tools such as **Subversion (SVN), TFS, Git** and **Bitbucket**.
* Knowledge of Web Development technologies in general, including **HTML, JSON, CSS, JavaScript, AJAX & XML.**
* Experienced in using Selenium automation frameworks **like Hybrid, Data-driven, Keyword frameworks and POM.**
* Experience in **unit testing, functional testing, Regression Testing, user acceptance testing(UAT), integration testing, system testing, performance testing, White Box Testing, Black Box testing, sanity testing, exception testing, API Testing, Cross browser testing, compatibility testing & security testing**.
* Developed Test Scripts to implement **Test Cases**, **Test Scenarios**, and features for **BDD (Behavior Driven Development), TDD (Test Driven Development**) using **Cucumber.**
* Conversant using Configuration management tools like **SVN, GIT.**

**TECHINICAL SKILLS:**

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| --- | --- |
| Test Approaches | **Waterfall, Agile/Scrum, SDLC, STLC, Bug life Cycle** |
| Testing Tools | **Selenium WebDriver, QTP, JMeter, HP load Runner, SOAP, Gatling, Postman, Protractor, Manual Testing, Appium (Android & iOS Testing).** |
| Frameworks | **Page Object Model, Keyword Driven, Data Driven, ATDD, BDD, Hybrid Testing, Cucumber, Jasmine, Gherkin, TestNG, Junit, NUnit, log4j.** |
| Build &Integration tools | **Maven, Ant, Jenkins, Bamboo, Hudson.** |
| Programming Languages | **Java, C#, .Net.** |
| Browsers | **Firefox, Internet Explorer, Safari, Google Chrome, Opera, PhantomJS.** |
| Operating System | **Windows Variants, Unix, Linux, Mac, iOS, Android.** |
| Database tools | **MySQL**, **SQuirrel SQL, Postgres, Oracle.** |
| Defect Tracking Tools | **HP ALM, Quality Center, Jira, Confluence, Team Foundation Server (TFS).** |
| Scripting Languages | **JavaScript, VB Script, Groovy Script.** |
| Markup Languages | **HTML, XML, JSON, Xpath, XCode, XSD, XSL, XSLT, JSP, AJAX, CSS** |
| MS Office Tools | **MS Project, Outlook, Excel, PowerPoint, MS Access, Word** |
| Other Utilities | **Eclipse, Webstrom, Notepad++, Microsoft Visual Studio, IntelliJ, SQL, GIT, SVN, Bitbucket, TFS, Sauce Labs.** |
| Types of testing | **Manual Testing, UI Testing, Integration Testing, Regression Testing, Black Box Testing, White Box Testing, Functional Testing, Performance, Smoke, Sanity, API and Unit testing.** |

**Professional Experience:**

**Client: Wells Fargo, Des Moines, IA. Dec 16 – Till Date**

**Role: Sr. SDET Engineer/ QA Engineer**

**Description:** Regions bank is a diversified financial services company providing consumer, commercial and retail investment to personal and business banking customers. History management is the web application, which provides the information about the history of the customers. Whenever the company gets the request from the user to open a new

account or any kind of loan requests, this application will provide the history about that user. All the customer's information including payment, credit, and criminal history will be stored in the database.

**Responsibilities:**

* Analyzed the system requirements and developed detailed test plans and test cases and provided the documentation, collaborated with product management teams in an agile environment to develop a comprehensive set of tests for web-based applications.
* Designed Automation Test cases using **Selenium WebDriver, Java, TestNG, Maven.**
* Automated web services using **REST API** and **Java.**
* Used **Selenium Grid** to run test cases in multiple browsers and Platforms.
* Involved in testing of application using the **Scrum (Agile) methodology**.
* Responsible for implementation of **Hybrid Test Automation Framework**, Page Object Model using **Selenium** WebDriver, TestNG, Maven and Java.
* Implemented automation using Selenium WebDriver, JAVA, Selenium Grid, Cucumber, Maven.
* Using **Jasmine** and **karma** test runner extensively for unit testing for end-to-end testing
* Proficient in handling **SOAP** and **REST** calls using **Java.**
* Implemented a Continuous Delivery pipeline with **Docker, Jenkins** and GitHub and **AWS.**
* Knowledge of Web Development technologies in general, including **HTML, CSS, JavaScript, AJAX,** and **XML.**
* Developed automation framework from scratch using **Java, TestNG, Maven** and **POM.**
* Automating the Test Scripts are planned, prepared and upgraded using **HP Quality Center.**
* Maintained the **Selenium** and **JAVA** automation code and resources in source controls like **Git** over the time for improvements and new features.
* Extensive experience in using **Jmeter** for web services performance testing in **AWS**cloud environment.
* Verified the data in database through **SQL** statements and executed stored procedures and triggers.
* Created profiles in **maven** to launch specific **TestNG** suite from **Jenkins job**.
* Involved in various meetings with **Business analysts** and **Developers.**
* Created detailed **QA** and **UAT** cases to validate the quality of the application.
* Conducted **Functional testing**, **Regression Testing** using selenium with **Data-driven, Key-word Driven** framework.
* Strong experience with **SOA** architecture which include **SOAP** and **Restful** Web Services Testing.
* Performed web services testing with **SOAP UI** by validating request and response for **XML, JSON** files.
* Tested on Web Services using **WSDL** and **SOAPUI** to check the communication between different services.
* Performed Data-driven testing by using **JDBC** as a data source in **SOAP UI** and configured SQL queries to fetch data from the **Oracle database**.
* Involved in testing of services using **SOAP/REST** services using **SOAP UI, Groovy Script**.
* Developed **BDD** Automation Framework using **Cucumber** tool and developed Feature files which includes Features, Scenarios and Step Definitions.
* Performed and executed test suite automation scripts using **Continuous Integration** tool **Jenkins.**
* Automated **Mobile** application by using **Appium**
* Logged the errors, reported defects, and tracked the defects using **JIRA** until resolution
* Logged and managed defects using **HP ALM Quality Center** defect management tool.
* Responsible for implementing **LoadRunner, Performance center, JMeter**based infrastructure including Architecting the load testing infrastructure, hardware & software integration with **LoadRunner**.
* Wrote automated scripts for **angular JS** application using **Selenium web driver** and **Java.**
* Developed test code in **Java** language using **Eclipse, IDE** and **TestNG** framework.
* Used web-debugging tools like **XPath**, **Firebug** and **Fire path** to run automation script in stable condition.
* Performed **Smoke, Functionality, white box testing, Integration, System, Regression tests** based on analysis, and understanding of the requirements, non-functional specifications, and end-user needs.

**Environment: Selenium WebDriver, Grid, SQL Server, Git, Oracle, SOA testing, JAVA, Gherkin, Agile, Groovy Scripting, DOM, Cucumber, JMeter, HP ALM Quality Center, BDD, Appium, End to End Testing, Protractor, HP Load Runner, Jenkins, UAT, SOAP UI, REST, JAVA Script, Regression Testing, Maven, Apache POI, Eclipse, XCode, TestNG.**

**Client: Blue Cross Blue Shield, Jacksonville, FL. May ‘15 – Dec ‘ 16**

**Role: Sr. SDET Engineer/Mobile Test Engineer**

**Description:** Project description: Insurance has developed an application known as Account Management System used to store the membership details of its subscribers enrolled under United Healthcare Medicare plan which provides a user interface for making modifications to customer account details and performing customer lookup functions.

**Responsibilities:**

* Extensively involved in all stages of Testing life cycle, Test Driven Development methodologies, Software Development Life cycle (SDLC) using Agile methodologies.
* Used **Cucumber**, **Appium**, **Xcode** for **Native** Mobile Application automation testing for **iOS** and **Android** platform.
* Used **JIRA** as a bug tracking, issue tracking and project management software.
* Involved in automating **Android** and **iOS** mobile app testing using **Appium.**
* Executed the test plans on **web and mobile (Apple & Android**) as per requirements using **Appium** tool.
* Automates testing processes by developing unit test scripts using **Appium.**
* Tested application using different **iOS** and **Android mobile** devices and **Android Virtual** Device **installations.**
* Used **Appium Emulators** and **Simulators** for testing the application in **Mobiles.**
* Performed the **Mobile Testing** for **Mobile App,** identify the **Mobile Platform** like **IOS, Android** by using **Appium.**
* Expert in creating, maintaining and executing automated test scripts using **Selenium IDE**, Web driver and **Selenium Grid** on cross browsers.
* Experience in developing and maintaining Test Automation Frameworks like **Data Driven, Keyword Driven, Hybrid** and **Cucumber** (BDD/ATDD.)
* Involved in **performing Functionality testing, Validation testing, Negative and Positive testing, Integration testing**, testing manually on the first release of the application.
* Experienced with web services testing using SOAPUI tool. Testing the API's as well as validate the data returned thru web services responses.
* Knowledge of **XML, Schema, WSDL, XPATH, Groovy scripting.**
* Experience with Service Oriented Architecture using **SoapUI** Pro tool to test web services.
* Automated **UI test** cases by using **Selenium, XPath**, integrated with **Java.**
* Analyze business requirements, Software requirement specifications to create test plan and test cases for manual and automation testing using **Selenium Web Driver.**
* Worked on **Cross Browser testing** through Selenium WebDriver by testing the Scripts on different browsers.
* Implemented **Selenium Grid** to run Regression Tests on multiple nodes and browsers.
* Responsible for implementation **of Hybrid Test Automation Framework, Page Object Model** using **Selenium WebDriver, TestNG** and Maven and **Java.**
* Experience in using the Test management and Defect Tracking tools like **HP Quality center**, Application Lifecycle Management**, Rally, Jira.**
* Worked on Database/Backend testing and validated the data by writing **SQL Queries** and experience in working on **Oracle** and **SQL** Server databases.
* Designing and developing **test strategy, test plan, test cases** and generating test reports and defect reports.
* Extensive experience in using **JUnit** framework for Unit testing, **Maven** and Ant for Project building tool, and worked with **Jenkins/Hudson** for **Continuous Integration**.
* Developed automation script for **Mobile Native applications** (IOS, Android) using **Appium, Java.**
* Validated the **XML** files by using Altona **XML** spy and against XSDs which are posted in the **JMS** topic.
* Working knowledge and understanding of **Core Java** and Object-Oriented Programming(OOP).
* Experienced with **SOA, Web Services, SOAP, Soap UI, RESTFUL, WSDL** technologies.
* Performed defect reporting and bug tracking using **HP ALM** and followed up with development team to verify bug fixes, and update bug status.
* Prepared user documentation with screenshots for **UAT (User Acceptance testing).**

**Environment: Selenium WebDriver, Appium, TestNG, Maven, Grid, Mysql, Cucumber, Webservices, JSON, JAVA, J2EE, Gherkin, Groovy Scripting, DOM, Test Plans, Git, HP ALM Quality Center, Protractor, JMeter, Jenkins, SOAP UI, REST, JAVA Script, Shell Scripting, XCode, Agile Methodology, iOS, Windows, Linux, Unix.**

**Client: Lutheran HealthCare, Brooklyn, NY Jan’14- Apr’15**

**Role: QA Engineer**

**Responsibilities:**

* Analyzed Business Requirements Documents to get better understanding of the system both on technical and business perspectives.
* Prepared **Test Plans, Test Scripts** and Test Cases based on functional specifications and user requirements.
* Developed and maintained automated regression test cases in **Selenium WebDriver** using **Java** programming language and **Junit** Framework.
* Performed Data driven testing using **Selenium WebDriver**, **Junit** functions and **JDBC** Connections which reads data from scripts using property and **XML** files.
* Developed test code in **Java** language using **Eclipse IDE** and **Junit** framework.
* Used **Java** language and **Junit** framework for scripting.
* Designed and Developed **UAT** Regression automation script and Automation of functional testing framework for all modules using **Selenium** and **WebDriver.**
* Prepared BDD scenarios for UAT (User Acceptance testing) using Cucumber.
* Wrote Scenarios, Scenario outlines and Step definitions using Gherkin in Cucumber for BDD.
* Perform testing of complex policy rating **algorithms**, batch jobs and business rules.
* Created Data Driven scripts for adding multiple customers, checking online accounts, user interface validations, reports management, etc.
* Used **XPath** and **DOM** to work with dynamic and static objects in **Selenium.**
* Utilized various test tools for automation of test cases Generate test reports and performed extensive Web Services testing using **SOAP UI.**
* Used **SOAP UI** tool to test **SOA** based architecture application to test **SOAP** services and **REST API.**
* Prepared test cases, test data and test responsibility matrices for the application under test.
* Executed Test Cases recorded in **HP** Quality Center manually to test the application for its functionality, system integration and verify the Exit Criteria.
* Used **GIT** as code repository and Code Collaborator to manage code reviews.
* As part of compatibility testing, executed the workflow manager web application related test cases on different browsers different Operating Systems.
* Performed **Back-End Testing**, database table manipulations of relational database systems by writing complex **SQL** queries manually.

**Environments: Selenium WebDriver, Java, SOAP UI, JMeter, Ant, Junit, Cucumber, Quality Center, Eclipse, XPATH, Java, HTML, CSS, agile, GIT, SQL, Android, Oracle and Windows.**

**Client: Capital One, Richmond, Virginia.**      **Jul’12-Dec’13**

**Role:** **Automation Tester .**

**Responsibilities:**

* Analyzed the **business requirements, functional specifications** and designed appropriate use cases, test plans and test strategy.
* Configured maven for Selenium automation projects and developed **project object model**.
* Used hub and node concept of **Selenium Grid** to execute Selenium automation suites on different platforms and browser combinations in parallel.
* Regression test cases were written and automated using **Selenium RC** and **IDE.**
* Created whole test framework using **Selenium** for further test creation and execution.
* Developed automation framework for **Selenium RC** in Modular Framework model.
* Implemented **JUnit** framework with Selenium for parallel execution, code maintainability, and generated reports.
* Developed Selenium script for taking **Screenshot** and used action class to perform mouse movement.
* Have developed test scripts for complex functionalities accessing the **UI elements** like **date time pickers, links, frames**, and tables.
* Extensively executed **SQL queries on SQL Server** and Oracle database to validate the data.
* Used Continuous Integration tool **Travis** for scheduling Jobs and for Regression testing.
* Maintained the Selenium & Java automation code and resources in source controls **SVN** over the time for improvements and new features.
* Generated **Allure** test report using allure Plugins and reported to development team and higher management.
* Worked extensively on **JIRA** modules- test plan, defects, and reports and created defects using JIRA.
* Participated in daily **scrum meeting** and got used to agile development methodology.

**Environment: Java, Eclipse, Selenium WebDriver, Apache POI, JUnit, Selenium Grid, Maven, Sauce Labs, Travis, JIRA, SVN.**

**Client: Missouri Farm Bureau Insurance, Jefferson City, MO   Nov’10-Jun’12**

**Role:  Manual Tester**

**Roles and Responsibilities:**

* Reviewed Technical Specification **System Requirement Specification**, and **functional design documents** to accomplish a better understanding of the project.
* Did a thorough walkthrough of business requirements and prototypes with Business Analysts, Code reviews with development team and got a good grasp of requirements, functionality of the airline system.
* Developed Test plans by coordinating with other team members on the road map.
* Developed test cases by reviewing the requirement documents
* Configured Shared object repository and per action in Selenium WebDriver.
* Have automated the web application using Java and TestNG in Selenium WebDriver.
* Run the tests with Selenium Remote Control with multiple browsers & platforms.
* Analyse business requirements, Software requirement specifications to create test plan and test cases for manual and automation testing using Selenium Web Driver, Junit.
* Create frame work using Junit and Selenium Web driver.
* Mapped the test scripts to the functional requirements in Quality Centre 10.0
* Identified Test Data by querying and created Test scripts for SIT, Regression and UAT
* Conducted the Functional, System, Integration, Regression, performance, UAT and Smoke Tests for various phases of this application
* Execution of Manual Test scripts and responsible to track and log the defects using QC
* Created test cases as well as modified and reviewed test cases developed by other testers.
* Performed extensive manual testing on different modules.
* Responsible for data analysis, report validation and functional testing
* Automation test with QTP record and playback, data driven the scripts.
* Worked closely with Technical Project Managers and Development Team in defect tracking, retesting and validation
* Verified bug fixes and tested all impacted modules in application.
* Coordinating with other team members and providing status to project manager.
* Created UAT documentation to be used by users
* Ensure Requirements Coverage with Traceability Matrices.

**Environment:UNIX,SQL,Oracle,J2EE,Java,JSP,WebServices,SOAPUI,OracleQualityCentre,QTP,MSOffice.**

**Client: Afcons, Kochi, Kerala, India. Sep’ 09 – Oct’ 10**

**Role: Manual Tester**

**Description:** This is a BI/DW platform-based reporting project. Its objective is to collect data from different vendors in the form of xml files. This data is then parsed, integrated with other metrics, converted into meaningful data and then stored into a single data Warehouse. From here the data is used for analysis through the generation of reports.

**Responsibilities:**

* Designed the efficient **manual test cases** based on analysis of Business Requirements, Functional Specs, Technical design documents, Use Cases, Supporting documents.
* Reviewed and analyzed Detail Designed Specification and Technical Specification documents.
* Analyzed the SRS (System Requirement Specifications) and developed Test Suites to cover the overall quality assurance testing.
* Interacted with developers to follow up on Opened Bugs and involved in complete QA Life Cycles.
* Used **MS Excel** and **Rational Clear Quest** to maintain test cases and test scripts.
* Developed and maintained **Requirement Traceability Matrix** (RTM)to ensure all conditions are covered.
* Performed Manual Testing to check flow of the application.
* During testing life cycle, performed different types of testing like System Testing, Integration& Regression Testing.
* Creation of **Status reports** and Sending the status to the upper management as required.
* Developed various reports to communicate testing issues the project manager.
* Participated in QA Team meetings and weekly QA testing reviews.

**Environment: Manual Testing, Clear Quest, MS Visio, HTML, Java Script, Oracle, Windows, UNIX.**