**Varuni**

**(SDET)/QA Automation Test Engineer**

**959-777-4413**

**varunip.qa.34@gmail.com**

**PROFESSIONAL SUMMARY:**

* A dynamic and result-oriented **QA Automation Engineer** with **8+** years of experience in Information Technology as a specializing candidate in **Enterprise-wide web** and **Client Server Applications**.
* Extensive experience and knowledge of different phases of **Software Development Life Cycle (SDLC)**, **Software Testing Life Cycle (STLC), Defect Life Cycle, Agile,** and **Scrum methodologies**.
* Experience in **test planning**, **test design**, **test execution**, **test automation** using **Selenium, CI/CD, Framework design**, **Defect Reporting** and **Tracking**.
* Experience in **Core Java Programming** using **OOPS concepts, Strings, Collections, Exception handling**, etc.
* Designing and building Frameworks like **Behavior Driven Development (BDD), Test Driven Development (TDD), Hybrid** and **Keyword-driven** frameworks using Selenium WebDriver, Java as a programming language from scratch in a complex and fast paced environment.
* Experience in testing **Web Services**-**SOA** architecture, **XML** transaction, **HTTP**, **WSDL**, and **REST** using various industry standard tools like **SOAP UI**, **Ready API, Postman** and **Rest Assured**.
* Experience in developing **Behavior-driven development (BDD/TDD)** using Gherkin language and Cucumber tool, created scenarios in feature files, step definitions, test runner, etc.
* Experience in developing and understanding **HTML, XML, CSS**, and experience in using version control tools like  **Git, GitHub.**
* Experience in **Cross Browser** testing and **Parallel Test Execution** using **Selenium WebDriver**, **TestNG and Selenium Grid.**
* Experience in using unit testing frameworks like **Junit, TestNG** andgood knowledge in configuring the test suites in **TestNG .xml file**. Experience in using build tools like **Maven** and configuring **pom.xml**.
* Expertise in developing Test Framework from scratch using **Page Object Model (POM)** and maintaining the **object repositories,** experience in using Java libraries like **Apache poi and JXL.**
* Experience in working with web debugging tools like **XPath, FirePath, and Firebug** and provided efficient locators for strategies like **XPath and CSS** to run test scripts.
* Good knowledge **of DevOps concepts** and working knowledge on **Continuous Integration and Continuous Delivery (CI/CD)** by using tools like **Jenkins**.
* Automated Web services using Groovy scripting, data sourcing and data source looping, **driven required data** from excel sheets into **Ready API** to send requests and stored the data from responses into the respective excel sheets.
* Tested the **API’s** as well as validated the data returned through web services responses using **Assertions** such as valid HTTP Status Codes, Script Assertions, Contains, XPath, XQuery.
* Experience in using the Test management and **Defect Tracking tools** like HP Quality Center/ALM, Jira/Agile Central.
* Extensively worked on creating Test Summary Reports, **Requirements Traceability Matrix (RTM**) and Defect reports.
* Capable of working independently or as part of a QA/Project team as required by the project. Able to effectively and cooperatively interface with all levels of management and staff.
* Possess problem-solving skills, ability to follow industry standards and procedures. Quickly master new concepts and applications. Possess strong communication and interpersonal skills.

**TECHNICAL SKILLS**

|  |  |
| --- | --- |
| ***Testing tools*** | Selenium WebDriver/RC/IDE, JUnit, TestNG, Firebug,Postman, |
| ***Web Technologies*** | HTML, CSS, NodeJS,JSON, XML & REST services,Rest Assured |
| ***Defect Tracking Tools*** | HP /Quality Center, JIRA. |
| ***Build Tools*** | Maven. |
| ***Frameworks*** | Data Driven, Keyword Driven,Behaviour Driven & Hybrid Frameworks |
| ***Languages*** | Java, SQL. |
| ***CI/CD Tools*** | Jenkins. |
| ***Cross Browser Platform*** | Sauce Labs and Selenium GRID. |
| ***Browsers*** | Internet Explorer, Mozilla Firefox, Google Chrome & Safari. |
| ***Databases*** | Oracle, MySQL |
| ***Add-Ons*** | Firebug,SelectorsHub, Selenium Builder, Selenium IDE. |
| ***IDE*** | IntelliJ |
| ***Version Control*** | GIT, GITHUB. |
| ***Operating Systems*** | Windows, Mac OS. |

**PROFESSIONAL EXPERIENCE**

**Delta Airlines, Atlanta, GA. Dec 21 – Till Date**

**Software Development Engineer in Test – SDET.**

**Roles & Responsibilities:**

* Involved in various QA related activities like creating the **Test Plan**, identifying all the **test scenarios (Positive, Negative, Resiliency, etc.)**, creating the **Requirements Traceability Matrix (RTM)**, Test Case Design, **Peer Reviews**.
* Responsible for developing the **BDD/ATDD** framework by using the **Cucumber** and added Scenarios in **features files, Step Definitions**
* Created, implemented and maintained **Page Objects (POM) for each Webpage.**
* For Continuous integrations and delivery of the automation scripts
* Implemented and **configured TestNG, Selenium web driver from Maven** packages as build for adding all the dependencies.
* Build and automate the deployment of all the front-end components using **Jenkins**, cutting deployment time and the number of developers needed.
* Responsible for configuring and Smoke and regression test suites as part of the **Jenkins Pipelines** and monitoring the failures.
* Implementing Page Object Model Automation framework with **Java**, Selenium WebDriver.
* Involved in Web services testing using **PostMan** Tool. Validated request and response JSON. Added Assertions to validate the JSON in Web services **RESTFUL** service.
* Developed **automation test cases**, **executed** these test scripts from test lab and logged defects in **JIRA**.
* Expertise in logging the most accurate defects using the **Zephyr** plugin in **Jira**.
* Involved in running **functional**, **smoke, E2E** and **regression** testing in web applications using **Selenium** and **JAVA OOPS concepts**.
* Configured **Selenium Web Driver**, **TestNG**, **Junit,** **Maven** tool and created Selenium automation scripts in **Java** prior to next release.
* Experienced in create a **ExtentReport** for Selenium Automation testing
* Involved in working closely with the Product Owners, Product Managers and Product Directors to understand their requirements and assisted the **Engineering**, **Technical** and **Architect** leads in defining the best strategy for the development considering the existing limitations of the system.
* Maintained the existing automated test suite for **API** testing using **Restful** and performed **API Level testing** for web services and developed many **Test suites** using **JSON**.
* Involved in the initial testing of the newly developed **Web services** and **Microservices** using **Postman**.
* Performed **Functional**, **System, Regression, E2E** and **Integration** testing on web applications at various phases of the Project life Cycle.
* Integrated **ZAPI** tool into the framework to **automatically update test case status** in **JIRA** for management and tracking purposes.
* Worked with **multiple teams** to establish and maintain **consistent test methodology** and **practices**.
* Experienced in **Rest Assured** to test the Rest API.
* Performed browser compatibility testing of application for various **browsers (Safari, Firefox, Internet Explorer, Chrome)** using **HTML ID**s like **XPATH/CSS** in **Selenium** Web Driver.

**Environment:** Java, JIRA, Jenkins,IntelliJ Junit,HTML5, CSS, Oracle, Maven, Selenium Grid,BDD,Cucumber, Selenium WebDriver, Browser Stack.

**KeyBank, Cleveland, OH. Aug 19 – Nov 21**

**QA Automation Engineer.**

**Roles & Responsibilities:**

* Performed GUI functional testing manually for the application.
* Expertise in test plan creation, test case design, test case review, test case execution, writing test scripts, testing tools usage, defect management and preparing test reports.
* Interacted with Product Owner, Customers and Project team members in analyzing the **User stories** and **acceptance criteria.**
* Extensively worked on test cases involving validation of data at all levels including field level validations and UI validations.
* Developed **a BDD** framework by writing features files, step definitions and closely working with the Product owner using Cucumber.
* Expertise in using **Selenium Grid** to run test scripts on different platforms and against different browsers in parallel to save time.
* Used **XPath and DOM** to work with dynamic and static objects in Selenium.
* Utilized **Apache** **POI** jar files to read test data from the excel spreadsheets and load them into the required test cases.
* Administered and engineered **Jenkins** for managing weekly builds, tests, and deploy chain, GIT with Dev/Test/Prod Branching Model for weekly releases**.**
* Prepared SQL scripts to verify the database updates, inserts and deletes of the records.
* Used **Maven** to build and run the Selenium automation framework and when the script is finished, the framework used to send the automation reports over email.
* Created synchronization points by adding **Explicit** and **Implicit** waits in the application to deal with timing problems.
* Involved in Web services testing using **Ready API Tool**. Validated request and response JSON. Added assertions to validate the XML in Web services RESTFUL service.
* Performed **Data-driven testing** by getting the data from the excel sheet and automated multiple endpoints with various data sets and generated the reports.
* Data defined and manipulated (DDL/DML) using **SQL Queries** in MYSQL.
* Automated RESTful web services by using **REST Assured** java libraries.
* Automated theWeb Application using **Selenium,** and **Java.**
* Mapped all the requirements with the test cases using **Requirement traceability matrix (RTM**).
* Performed **Black Box Testing, UAT Testing** and extensively used Selenium for Regression, Smoke, Functional and data-driven testing using excel file in Selenium**.**
* Performed the **Application compatibility** in the different versions of Google Chrome, Mozilla Firefox, Safari and Internet Explorer browsers using Selenium.
* Defects were tracked, reviewed, analyzed, and compared using **Jira**.
* Used **Agile model of the development life cycle** (SCRUM). Used Selenium with java, frameworks, design approaches, and various effective implementation techniques.
* Actively involved in **the Detection of issues** with test cases, design, execution, and plans**.**
* Participated in **QA weekly meetings** and various other meetings and discussed enhancement and modification request issues and defects in the application.

**Environment:** Java, RESTful Web Service, Microservices, Selenium WebDriver, Apache POI, Rest Assured, TestNG, Firebug, XML, XPATH, DOM, Cucumber, Jira, Agile, SQL, Jenkins, Ready API,IntelliJ, Maven, Oracle.

**The Hartford, Hartford, CT. Mar 17 – July 19 Automation Tester**

**Roles & Responsibilities:**

* Analyzing the **Business Requirement Document**, High-level and Low-level design documents.
* Create and review - Test scenarios, **Test suite preparation**, Test Data creation, Test case execution and Defect logging.
* Conducted Functional testing, Regression Testing using selenium with **Data-driven framework** and **Keyword-driven framework**.
* Created automation test scripts using Data-driven framework to test the web applications using Selenium WebDriver with JAVA and maven.
* Expertise in using **Selenium Grid** to run test scripts on different platforms and against different browsers in parallel to save time.
* Used **Jenkins** to execute the test scripts periodically on Selenium Grid for different platforms like desktop, tablet, and mobile.
* Performed **Cross browser testing and parallel testing** on Google Chrome, Mozilla Firefox, and Safari using TestNG and Maven on Selenium Grid.
* Expertise in the grouping of test suites, test cases and test methods for regression and functional testing using **TestNG** annotations like Groups, Parameter, Data Provider and Tags.
* Utilized Maven to manage dependencies for test execution, plugins and **created profiles of grouped test cases** to run sanity and regression testing.
* Integrated Jenkins with **version controller (GIT)** and scheduled builds to run automatically during a build release by invoking predefined maven commands.
* Utilized **Apache POI** jar files to read test data from the excel spreadsheets and load them into required test cases.
* Administered and engineered Jenkins for managing weekly Build, Test, and Deploy chain,GIT with Dev/Test/Prod Branching Model for weekly releases.
* Handled Selenium synchronization problems using **Explicit & Implicit** waits during regression testing.
* Experience in writing complex **XPath** using the following and preceding and using functions like contains and not contains.
* Worked with AWS cloud machines to setup **selenium GRID and Jenkins** server as well on HUB machine.
* Created profiles in maven to launch specific **TestNG suite** from Jenkins job.
* Experienced in testing REST APIs using **Postman**.
* Used the **Rest Assured java library** to automate Restful Web services.
* Involved closely with developers in the Development of UI modules using **HTML and CSS.**
* Shared Daily Status Reports with all the team members, Team Leads, Managers.

**Environment:** Selenium WebDriver, Grid, GitHub, XML, HTML, Jenkins, MAVEN, CSS, GUI,TestNG, Agile, SQL, MYSQL, JAVA.

**Capita, India. Sep 08 – Jan 11**

**QA Tester.**

**Roles & Responsibilities:**

* Developed Test cases based on technical specifications and business requirements.
* Involved in Writing Test Cases, Executing Test cases.
* Used **Quality Center** to write Test cases.
* Executed test cases manually to check the GUI and Functional features of the Application.
* Compared and analyzed actual with expected results and reported all defects to the appropriate individual(s) for resolution using Quality Center.
* Involved in Cross browser testing for customer’s convenience.
* Involved in Functionality Testing, User Acceptance Testing and Sanity Testing in all environments.
* Expertise in Manual Testing using real-time and unattended testing environment. Attended reviews and walkthroughs to better understand the Requirement Documents.
* Performed various operations on the database using Oracle 10g.
* Used SQL queries to perform the back-end testing on Oracle.
* Worked with users on User Acceptance Testing.
* Involved in fixing the defects that were logged during testing and also tracking and reporting defects using QC.

**Environment:** SQL, Oracle, HP Quality Center and Windows.