**Raksha Sharma**

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**QA Automation Engineer**

**SUMMARY:**

Software QA Engineer with around 8+ years of experience in Analysing, Designing and Implementation of QA testing strategy for **Web-based** and **Client/Server** applications in **manual** and **automation testing** with a solid understanding of all phases of **Software Development Life Cycle (SDLC)** and **Software Testing Life Cycle (STLC)** in different domains.

* Experienced in working with open-source tools such as **Pytest, PyCharm, JIRA, Selenium Web Driver** and Selenium Grid, Soap UI.
* Implemented BDD and data driven through Pytest and Created the Feature Files for Pytest Automation. Experienced in creating and developing BDD (Behaviour Driven Development) and ATDD (Acceptance Test Driven Development) using Pytest.
* Executed test in local devices and latest cloud technologies **(Amazon Web Services (Device Farm) and SOS Lab**
* Highly skilled developer in setting up frameworks for UI Automation such as Appium, and Selenium. Worked independently on setting up multiple cross platform frameworks like Cucumber-Appium.
* Experience in Mobile APP testing on Android, Simulator to perform Mobile App testing, phone functionality and native and React Native app testing.
* Developed automation framework and test scripts for native, hybrid and web browsers mobile applications for different versions of Android and IOS using Appium.
* Expertise in creating **Test Plans, Test Report, Defect Reports, Test Scenarios**.
* Strong understanding of various software testing methodologies (Waterfall, Agile).
* Proficient in Writing SQL Queries for testing database integrity.
* Experience in client server and web-based application testing including API Testing.
* Coordinated with onsite/offshore resources to fix **Quality Center queries during SIT and UAT**.
* Sound knowledge on Pytest, TestNG framework for Unit testing, Maven for Project building tool, Jenkins for Continuous Integration.
* Hands on experience on Restful web services testing using **SOAPUI**.
* Maintenance of Test matrix and Traceability matrix.
* First-hand experience in preparing Project plan, Change Request form, Test plan, Test cases, Script Status report and Defect status report
* Expertise in Mobile Application Testing (Android, IOS) on Mobile Handsets.
* Experienced in load test, stress test and performance test using Jmeter by scripting for multiple users and analysing results .
* Good experience on Software Testing Life Cycle (STLC), Bug life cycle, Test Design execution.
* Expertise in documenting defects with high level of detail, accuracy, and informative recreation steps using Quality Center, **JIRA**, **X-Ray, ADO Microsoft, Bugzilla etc.**

**TECHNICAL SKILLS:**

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| **Web Technologies** | HTML, XML, XHTML |
| **Cloud** | (AWS) Amazon Web Services |
| **Languages/Scripting** | SQL, Jscript, Shell, Python, C#, VB Script |
| **Methodologies** | Agile, Waterfall, Scrum |
| **Automation Tools** | Selenium WebDriver, Selenium IDE/RC/GRID, QTP/UFT, Cucumber, ALM, LoadRunner, JMeter, Appium, Manual Testing |
| **SOA Tools** | SOAP, REST, WSDL, Web Services, SOAP UI, POSTMAN |
| **Frameworks** | Pytest, TestNg, TDD, BDD, Page Object Model (POM) |
| **CI & CD Tools** | Jenkins, Maven, ANT, Hudson |
| **Defect Tracking Tools** | Quality Center, JIRA, BugZilla, MTM, Test Director, Azure ADO |
| **Version Control** | TFS, GIT, SVN, GitHub |
| **RDBMS** | MS SQL Server, Oracle, TOAD |
| **IDE Tools** | Pycharm, Visual Studio, IntelliJ |
| **Operating Systems** | MAC, Windows, UNIX, Red Hat Linux |
| **Project Management Tools** | MS Project, MS Visio |
| **Other Tools** | MS Access, SSIS, Win SCP, Putty, Test Manager |

**EDUCATION DETAILS:**

Master of Sceience in Rajasthan university India , 2007

**PROFESSIONAL EXPERIENCE:**

**Client: Costco IT Remote May 2022 – Till date**

**Role: QA Automation Engineer**

* Analysed the Business Requirements Document, put input in Test Plan and prepared detailed Test Cases for new functionality.
* Involved in test cases review by development team, product management and modified the test cases based on their feedback.
* Developed Automation framework using **Selenium Web Driver with IDE PyCharm**
* Designed and developed Page Objects using Page Object Design Pattern and **Selenium WebDriver**.
* Created **Selenium web-driver** automation scripts using **Python**to validate functionality on various browsers.
* Performed functional testing to identify various critical points in the application and automated it by using **Pytest.** Responsible for creating the functional testing framework using Pytest and using **Selenium WebDriver** to automate the **UI components.**
* Developed **Maven** Build scripts to run Sanity Test scripts developed in **Selenium Web Driver.**
* Created automation test plans & deployed test cases on **Jenkins** to have continuous integration test. Used **GitHub**as central repository to perform Push, Pull, Stage, Unstage, Stash, Status, Add, and Clone and remove operations in local repository **GIT.**
* Developing **GraphQL queries** to test **content stack features** and screen functionalities for Mobile and web applications
* Developed automation scripts for Mobile Native applications on **iOS**and **Android**platforms using **Appium**.
* Implemented simulator for mobile app testing in **IOS, Android** using **Appium** Tool.
* Used **Protractor** which works in conjunction with Selenium to provide an automated test infrastructure that can simulate a user’s interaction with an Angular application running in a browser or mobile device.
* Developed **Requirement Traceability Matrix** (RTM) to ensure appropriate level of test coverage.
* Performed various testing activities like GUI testing, functional testing, browser compatibility testing, regression testing.
* Designed and developed User Interfaces for **Python** users as per requirements.
* Worked on **Python scripting** to do functional testing.
* Involved in providing the efficient locators strategy like **XPath, modified XPath** and **CSS** to run **WebDriver** script in stable condition.
* Tested request and response **XML's** based web services interfaces using **Postman.** Performed Web Services Testing and XML validation by creating test case suite using **Postman.**
* Responsible for running the same tests on different browser versions as well as browsers (IE, Firefox, chrome).
* Analysed **HAR files** from chrome developer tool.
* Involved in identifying **Test Scenarios** and **Writing Test Cases** in **TestRail**, based on the requirements. Analysed test results, tracked the defects and generated reports using **Jira.**
* Coordinated with developers and record defects in **JIRA** to track until they are resolved.
* Coordinated with the QA team and participated in **Performance** **testing**.
* Responsible for preparing weekly status reports and validated the back-end data using **SQL queries** for data integrity. Involved in testing the application utilizing the **AGILE (Scrum)** methodology.
* Involved in documentation as to how to maintain and run scripts for future enhancements. Responsible for testing the application against different environments in **QA,** staging and production.
* Worked closely with different functional team including Development, QA, Sales and Business.

**Environment:** Selenium WebDriver, TestNG, Maven, Jenkins, Performance Testing, Cucumber, Appium, Protractor, Python, Jira, TestRail, Pycharm, Pytest Postman, Rest API, XPATH, GitHub, SQL, Windows.

**Client: ADP Software, Roseland, NJ Oct 2019 – April 2022**

**Role**: Automation Engineer

**Responsibilities:**

* Created and updated test scenarios, test plans, and test cases according to user story and design. Performed architect, design & **develop test case** and test scenarios for enterprise solution against business requirements that were scalable, maintainable, and extensible.
* Identified test cases to automate. Automate those test cases **using Selenium WebDriver**, pytest and python contributed in framework creation.
* Analyzing and evaluating the current business processes a company has and identifying areas of improvement
* Researching and reviewing up-to-date business processes and new IT advancements to make systems more modern
* Presenting ideas and findings in meetings and Creating initiatives depending on the business’s requirements and needs
* Used Page Object Model, UI Mapping, **Selenium** Manager, Data Driven using CSV, CSS Selectors as a part of Framework. Based on page library, developed **Selenium** test cases in **Python** using **pytest** framework.
* Performed Data driven testing using **Selenium WebDriver and pytest** functions which reads data from property and XML files.
* **Combined MVC Pattern** **architecture** concept, **POM (Page Object Model)** and created a **robust** **framework** using **Selenium** **WebDriver** to automate Web Client.
* Developed Selenium test scripts for identified test cases by using **data driven, keyboard driven and hybrid framework.**
* Used **Ant, SVN, Selenium WebDriver,** python & Selenium Grid to create nightly automation scripts. Wrote Selenium scripts to run against **Jenkins** and reported the nightly batch results to the lead.
* Drafted **Test Plan** which included **testing objectives, testing phases**, scenarios and test environment after a thorough analysis of the business rules.
* Designed and developed test structure for web services to validate API calls using **SOAP UI.**
* Involved in testing **Web** services and XML with tool called **SOAP UI**. I have been using this tool to locate WSDL file on internet, create Test cases, run them, do load testing, security testing.
* Used **Pytest** for browser based testing with scenarios and situations.
* Worked on **Pytest** Testing applications and Responsible for preparing weekly status reports and validated the **back-end data using SQL queries** for data integrity.
* Worked on Selenium GUI Object / element verification is done through **XPath, CSS Locators.**
* Used **Fire Bug, Fire Path**, **Xpath, CSS Selector, ID, Name locators** are to identify objects.
* Perform Cross Browser Compatibility testing using **Firefox Driver, Chrome driver, Internet Explorer Driver** etc.
* Reviewed database test cases according to assigned Requirements to validate reports by retrieving data with complex **SQL queries** from oracle database.
* Worked under **Agile** Scrum Methodology.
* Participated in system walkthrough and inspection meetings to understand the business rules and system operation flows.

**Environment**: Pyhton, Selenium WebDriver, Pytest, Jenkins, Cucumber, SOAP UI, Eclipse, XPATH, Firebug, Firepath, CSS, HTML, MVC, SVN, XML, agile, SQL, Oracle and Windows.

**Client: GAP Inc, New York, NY. July 2017 – Nov 2019**

**Role: Automation Engineer**

**Responsibilities:**

* Created and executed detail function Test cases based on the **business requirements**.
* Developed **automated tests** in **Python** using **Selenium RC, Pytest** and **Ant**.
* Involved in setting up configuring the testing environment with **Eclipse, Pytest, Selenium driver**.
* Co-ordinate with Developers, users and various members of the team to discuss and resolve defects as well as their priorities / severity.
* Worked on **Selenium** for creating and executing test cases for functionality testing of a **web app.**
* Involved in defining **test automation strategy** and test scenarios, created automated test cases, test plans and executed tests using **Selenium RC.**
* Used **Firebug and Firepath** to write automated test scripts using **XPATH.**
* Performed GUI testing, Functional testing, Integration testing, Regression testing, Ad -hoc testing, Negative testing, End to End testing, Load testing, User Acceptance testing on multiple projects.
* Designing the test cases using **SOAP UI**.
* Performed Data Validation followed by the manual testing of **back-end.**
* Performed **End-to-End testing** manually.
* Worked on **JIRA** for ticket management.
* Used **SQL** to validate backend database changes, deletes and update.
* Attended day-to-day meetings for providing regression status of existing functionality.
* Worked with developers in order to resolve the bug issues.

**Environment:** Pyhton, Selenium RC/IDE, Pytest, Ant, Eclipse, XPATH, Firebug, Firepath, Jira, agile, HTML, SQL, Oracle and Windows XP.

**eVision Infotech Pune** **Oct 2012– June 2015**

**Role: QA Analyst/Performance test engineer**

**Responsibilities:**

* Performance testing using Jmeter involved in load test planning, Test monitoring, Log analysis and reporting
* Analyzed 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 using **Jira**.
* Involved Preparation of **Traceability Matrix** and mapping the Test Cases with the requirements and Test Metrics in **Quality Center.**
* Performed Regression Testing as part of every build.
* Developed **SQL Queries** for testing various Database validations
* Performance testing using Jmeter, monitoring, logs analysis and reporting
* Preparation of Test scripts using **Selenium Web driver (Automation tool) with Python** for Functional Test cases.
* Automating the regression & project cases using **Selenium**.
* Performing Failure Analysis for the regression failed cases using Selenium.
* Responsible for all aspects of **project delivery** (Test Design, Test execution and Test summary report) and management (Test metrics and Risk analysis) to client partners, offshore manager, and Onsite manager.
* Organize weekly meetings with offshore managers, Onsite Coordinator & Onsite manager to discuss the Project goals and report the health of the overall project status.
* Performed **Integration Testing** in Vendor Development environment and **System Testing** in SIT environment and User Acceptance Testing in **Pre-Production** Environment.

**Environment:**  Jmeter, Selenium, Python, TestNG, Quality center, JIRA, Pycharm, SQL, Firefox, IE, Chrome, MS Office.