**Richa Shah**

**QA Automation Engineer**

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**PROFESSIONAL SUMMARY:**

* **7+ years** of demonstrated success in testing complex software application using **Manual testing** techniques and **automated testing** tools.
* Good knowledge of Software Development Life Cycle (SDLC), Software Testing Life Cycle (STLC) and Concepts.
* Proven ability in designing and creating automation frameworks for J2EE based applications using  **TestNG, Selenium WebDriver, Protractor, IDE, Grid, Maven, Jenkins, Cucumber and SOAP UI.**
* Experienced in customizing **Selenium API** to suit in testing environment.
* Excellent understanding of **Software Development Life Cycle** and **Test Methodologies** from project definition to post-deployment documentation.
* Experience in working with Build Systems like **Ant**, **Maven** and continuous integration systems like **Jenkins.**
* Good experience in Web Services testing using **SOAP UI,** **XML** and WSDL; and in 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.**
* Ability to locate the objects based on ID, Name, XPath, and CSS elector, Link, Partial Link, Attributes and Tags.
* Experienced in **Web Service testing** by using **Soap UI and POSTMAN.**
* Experienced in handling dynamic Drop-down, Auto-suggestive Drop-down, Radio buttons, Calendar UI, Alerts, and switching between a parent & child windows.
* Experienced in testing and handling different frames (frames, iframes) of a HTML page with having different DOM's for every iframe.
* Experienced in handling broken links and inter application links (page redirects to respective URL's) in development, test and production environments.
* Experienced in using Apache POI to read the data from external sources like Excel files in order to perform Data Driven Testing from **TestNG** **Data Provider**.
* Experienced in handling Ajax Requests and synchronization in **Selenium** using implicit and explicit wait conditions.
* Experienced working on Agile and Extreme methodologies using **TDD, SCRUM, MDD,** etc.
* Good Exposure with functional web service testing and strong knowledge on **SOAP UI, POSTMAN tools**.
* Proficient in Functional, Regression, Exploratory, Integration, Manual, System, End-to-end, Progression, Security, Business Process.
* Experience use of **Java Programming & Java Scripting, Python** for designing automated Scripts.
* Extensive experience in **Functional, Performance, Integration , Unit , Regression , Black Box, White Box, GUI, Back-End &** **Browser compatibility testing**, in different stages of Software Development Life Cycle (SDLC).
* Experience in creating **Requirements Traceability Matrix** to ensure comprehensive test coverage of requirements
* Experience in preparation of test cases and execution.
* Experience is preparing **Test Plan documents**.
* Communicate and follow up with development/engineering team on issues discovered during the test process.
* Highly adaptable and adept at building good working relationships.
* Proficient in using test management tools such **Quality Center/ALM, JIRA.**
* Experience in writing **Test Plans,** defining **Test Cases,** developing and maintainingTest scripts, analyzing the results of scripts, interaction with team members in fixing the errors.
* Experience in manual and automation testing for various application to meet proper business conformity.
* Good at **multi-tasking** and works well under tight deadlines with **high efficiency**. Excellent Troubleshooting Skills. Strong reporting and analytical skills

**TECHNICAL SKILLS:**

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| **Testing Tools (UI & API)** | Selenium WebDriver, TestNG, Selenium IDE, TOSCA, POSTMAN, SOAP UI, Protractor |
| **Test Build & Integration Tools** | Maven, Jenkins, Teamcity |
| **Test Frameworks** | Cucumber BDD, SpecFlow BDD, Data Driven, Hybrid, Junit |
| **Programming Tools** | JAVA, Python, SQL, Oracle |
| **Markup Languages** | HTML, XML, XPath |
| **Browsers** | Internet Explorer, Mozilla Firefox, Google Chrome, Safari |
| **Operating Systems** | Windows |
| **Defect Tracking tools** | JIRA, HPQC/ ALM, MTM, TFS |
| **MS Office Tools** | Outlook, Word, Excel, PowerPoint. |
| **Project Methodologies** | Agile-Scrum, Waterfall model |

**PROFESSONAL EXPERIENCE:**

**Client: PIMCO, New York, NY April 2019 – Till date**

**Role: Sr. QA Automation Engineer**

**Responsibilities:**

* Involved in analyzing Business Requirement Documents and Technical Specification document and developed test plan and test cases for testing the application.
* Followed Test Driven Development (**TDD**) as much as possible and written test cases using **TestNG** for every relevant class.
* Participated in requirement reviews and analyzed Modification requests and Enhancement requests.
* Tested independent and dependant modules individually. Prepared **Test Matrix** to keep track of the requirements and the test cases.
* Define, develop, and execute automation test scripts using Java that leverage black and white box testing across functional, non-functional and performance testing.
* Integrated Automation scripts (Selenium WebDriver API) in **Continuous Integration tools (Jenkins) for** nightly batch run of the Script. Created Project plan on **Jenkins**, configured scheduled using **Cron** job.
* Developed test automation scripts using **Selenium WebDriver** for regression and performance testing of the various releases of the application.
* Involved in creation of automation framework in **Selenium** **WebDriver** using behavior driven approach like **Cucumber**. Parameterized test cases using different annotations.
* Developed manual and automated test cases to validate RESTful API web service. Validation was performed using Postman and custom-written python scripts.
* Performed manual testing of each build and then **regression testing** on each builds using **Selenium WebDriver.**
* Performed UI testing and front end testing using **Selenium.**
* Used **Firebug** to do web based application testing with selenium for the commands and locator application.
* Created Selenium web-driver automation scripts using **Python** to validate functionality on various browsers.
* Worked on **Cross Browser testing** through Selenium WebDriver by testing the website on different browsers like Chrome, IE and Firefox.
* Implemented **Appium** scripts to test **IOS** and Android platforms.
* Developed **Test Framework** in **Selenium for UI Regression Test Automation** and when necessary, and potentially execute **Unit Test** automation (**Java**).
* Done SOA testing for Payments API's using SOAP UI and Java framework for web services testing.
* Developed data **driven test scripts** to check the same functionality with multiple sets of data.
* Created the tests that have no user interaction as a set and executed them as Batch tests using **Maven**.
* Developed test suite, test cases, execute test cases and generate report in **Postman**.
* Performed xml data validation using assertion method in **Postman**.
* Used **TestNG** Annotations in Selenium WebDriver and executed a batch of tests as TestNG suite.
* Performed Assertions like Schema Compliance, XPath and SOAP responses.
* Performed test automation Development using test framework that implements **Page Object Model (POM),** cucumber feature, and **TestNG** configuration files.
* Developed Selenium scripts in TestNG for **parameterization** using **Data Provider** annotation.
* Developed user-friendly and flashy **XSLT** **reports** using TestNG and Maven.
* Involved in writing automation scripts for mobile native applications using **Appium, Core java and Selenium.**
* Conducted **System Testing** and **User Acceptance Testing** for every client and Conducted Backend testing writing extensive **SQL queries**.

##### Checked the data flow through the front end to backend and used SQL queries, to extract the data from the database.

* 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**.

**Environment:** Java, Selenium WebDriver, Cucumber, TestNG, Jenkins, POSTMAN, Python, Protractor, Appium, Quality Center/ALM, XPath, SOAPUI, Maven, JavaScript, IE, Firefox, Chrome, TDD, SQL, Windows.

**Client: Vanguard, Valley Forge, PA April 2017 – March 2019**

**Role: QA Automation Engineer**

**Responsibilities:**

* Responsible for preparation of Test cycle/progress reports, analysis of defect metrics & implement improvement actions for next iterations.
* Performed different testing task using various **test scripts on Selenium WebDriver** and **TestNG.**
* Developed test code in Java language using **Eclipse, IDE** and **TestNG** framework.
* Involved in designing and implementing of **hybrid automation** framework to be used with **Selenium WebDriver**
* Implemented and worked on Acceptance Test Driven Development (TDD) agile methodologies completing releases ahead of schedule.
* Used **Java** language and **TestNG** framework for scripting. Used **Maven** for building the WebDriver project. Integrated with Continuous Integration tools **Jenkins** for running test on nightly basis automatically.
* Developed automation script for **Mobile Native applications** (IOS, Android) using **Appium**, Java.
* Used Protractor to run end-to-end tests that are written in JavaScript and run with node.
* Examine the application for testing, data validation.
* Maintained automation scripts in **Selenium WebDriver** **with Python.**
* Provided input, oversee and review the writing of use cases and test cases.
* Worked with Testing Coordinator and others to ensure use cases and test cases are written correctly to ensure complete test coverage.
* Created End to End, Functional &amp; UAT test cases as per the requirements. Involved in production smoke testing and sanity testing. Involved in support activity of all phases of SWAP &amp; PWAS system related releases.
* Test automation for web application (SWAP module) using Cucumber.
* Designed and executed the Automation Test Scripts using Selenium WebDriver and TestNG.
* Extensively worked on **Selenium WebDriver** with the preferred Languages **Java, Python.**
* Used Selenium WebDriver and **TestNG** to run the parallel testing.
* Used **Selenium WebDriver** used to test search results of Meta search engine.
* Worked on Web services using **POSTMAN** exclusively on obtaining the needed information using the **URL** approach.
* Designed **Hybrid Appium Test automation** framework for the application (Android apps).
* Used **Postman** validated REST API Web Service Call by sending JSON Request and JSON Response.
* Developed JavaScript in **Postman** tool to connect to database for automation of Web Services.
* Responsible for fixing and maintaining regression automation test scripts for end to end testing using **Selenium WebDriver** (using **Java**).
* Involved in testing of web application by creating XML test suite.
* Used **JIRA** for bug tracking and reporting, also followed up with development team to verify bug fixes and update bug status.
* Closely involved with development team, maintenance team and business team regarding changing **requirements,** **builds and releases**.

**Environment:** Java,Selenium WebDriver, JavaScript, Jenkins, TestNG, XML, Protractor, Python, Appium, Cucumber, POSTMAN, SOAP UI, Maven, SQL, JIRA, SQL, Oracle, TDD, Windows.

**Client: Augusta Sportswear, Grovetown, GA Dec 2015 – Mar 2017**

**Role: QA Analyst**

**Responsibilities:**

* Followed Agile testing methodology, participated in daily Scrum meetings and tested each Sprint deliverables.
* Writing, Reviewing & Executing test cases, test scripts for Functional, Integration, System, GUI, Analysis of Business and Requirement Specifications.
* Performed functional testing to identify various critical points in the Application and automated it by using **Selenium WebDriver.**
* Developed test code in Java language using **Eclipse, WebDriver and TestNG** framework.
* Involved in implementation of Test Automation Framework build using **Selenium WebDriver, TestNG and Maven** technologies under **Java** platform utilizing industry leading harness design patterns and approaches.
* Tested Web Services using **Soap UI** tool, validating WSDL, request and response.
* Created Test plan, High level scenarios, test case construction and test estimates, resource estimates and weekly status reports.
* Conducted Test Case walkthroughs to achieve consensus on Test Case correctness & completeness ensuring width and depth of test scenarios.
* Designed and developed Automation Framework (Hybrid, Keyword-driven) using **Selenium Web Driver.**
* Involved in performing Functional testing, Regression testing, System testing, Integration testing, Security testing, Configuration testing, GUI testing and User Acceptance testing.
* Developed automation test scripts using **Selenium, Java, TestNG** and Cucumber as part of Acceptance Test Driven Development (ATDD).
* Involved in using of Git as version control tool, **GitHub** as repository.
* Created Test Automation Framework using **Cucumber, Selenium WebDriver, TestNG and Maven.**
* Worked on Web services using **POSTMAN** exclusively on obtaining the needed information using the **URL** approach.
* Tested compatibility of application for dynamic and static content under various cross browsers using HTML ids and XPATH in **Selenium**.
* Used **Postman** for API testing to verify the CRUD operations.
* Implemented Automated execution of tests (nightly and need based) using Maven and **JENKINS.**
* Reported software defects using **JIRA** and interacted with the developers to resolve technical issues.

**Environment**: Java, Selenium WebDriver, Cucumber, Jenkins, TestNG, Agile/Scrum, POSTMAN, TDD, BDD, Soap UI, Maven, Git, Jira, Windows.

**Company: AIMDek Technologies, Gujarat, India May 2013 – June 2015**

**Role: QA Tester**

**Responsibilities:**

* Responsible for providing test cases and executing them within an AGILE software development SCRUM environment.
* Generated automated test scripts for regression and stress testing and also data driven scripts for multi user access for product information module using the data pool.
* Used **JIRA** for bug tracking and investigated software bugs.
* Involved in Bug Logging, Issue Tracking and responsible for tracing the bugs throughout the whole bug lifecycle till the bug closure.
* Worked on regression testing, automation estimation, design and framework. Provided the detailed implementation plan to management.
* Actively involved with scrum and sprint meetings, managing product backlog, removing obstacles to progress, re-allocating resources where necessary, prioritizing and review milestones and accomplishments.

**Environment:** JIRA, HTML, XML, SQL, Windows.