Swapna Gaddam

Senior QA Automation Engineer

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**Profile Summary**

* Experienced **Senior Automation Test Engineer** professional with 8+ years of experience in all the phases of SDLC &Software Testing Life Cycle (STLC). Developed Test Cases, Test Plan and Automation test scripts using **Selenium**. Skilled in BDD with Cucumber, Mobile Testing, API Testing with various testing technologies and automation tools like Selenium, Cucumber, SoapUI, Appium& current QA methodologies.
* Conversant in developing **Test scenarios, Test cases, Test data, Test procedures, Test reports** and documenting Manual and Automation Testing.
* Experience in working with open source tools such as **Selenium IDE, Selenium RC, Selenium Web Driver, Selenium Grid, SoapUI, Cucumber, Appium, TestNG, JIRA** and **Eclipse.**
* Identified correct GUI elements using various **Selenium Locators** like ID, Name, Link Text, Partial Link Text, XPath, CSS, and DOM in creating automation scripts.
* Developed **selenium synchronization** using conditional (Implicit, Explicit) unconditional wait conditions.
* Expertise in Grouping of Test Cases, Test Methods and Test Suites for regression and functional testing using the **TestNG annotations** like Groups, Parameter, Data Provider.
* Experience in preparing and maintaining Automation Frameworks such as **Keyword Driven, Data Driven, Hybrid Driven,** and **Page Object Model.**
* **A result driven, details-oriented and resourceful professional, with 6+ years of experience in Software Development Life Cycle (SDLC) as a QA Analyst.**
* Thorough understanding of different phases of Software Development Life Cycle (**SDLC**) and Software Testing Life Cycle (**STLC**) including **Agile** and **Waterfall** methodologies.
* Experience in analysing business specification documents, designing and developing **Test Plans, writing, executing** and **automating Test Cases.**
* Well versed in developing Java Selenium **Web Driver/RC/IDE/GRID** test scripts using **Java, JavaScript** and Test Frame works using **Testing/ JUnit, ANT/MAVEN**build tools**.**
* experience in **Unit Testing**, **Functionality testing**, **Black box testing**, **Build verification testing**, **Regression testing**, **Integration testing**, **System testing**, **Compatibility Testing**, **User Acceptance Testing** (UAT), **GUI Testing**, **Web Service Testing**, **Browser Compatibility Testing** and **Test Driven Development.**
* Knowledge in analysing and feasibility check of a newly added functionality for automation. Design and implement **Hybrid Driven Framework** approach using Selenium Web Driver.
* Hands on in using**JIRA, Clear Questand** **Bugzilla.**
* Experience in using **Jenkins** as a Continuous Integration server to configure with **GitHub** and **Maven**.
* Experience in working in cloud based technologies like **Amazon Web Services (AWS).**
* **Professional in Testing using HP interactive tools like – HP ALM, HP Quality Center and Test Director.**
* Experienced in Database Testing by using **SQL, Oracle, UNIX, MS Office Suite, PSQL** queries and also worked on **ETL testin**g.
* Working Experience in source version control tools such as Subversion (**SVN**), **TFS** and **Git**.
* Knowledge in **SVN** tool for **Source code management** and also used **Selenium Grid** for parallel, Batch Test Execution.
* **Experience in working with Selenium IDE and Selenium WebDriver using TestNG.**
* Used TestNG Annotations in selenium WebDriver in **Python** and executed a batch of tests as testing suite.
* Performed automation on angular application with **protractor** tool using **JavaScript**.
* Performed cloud testing using **Sauce labs**.
* Performed web service testing on Rest Web services using **Postman** Tool using **Java Script**.
* Experience on using **Auto IT** to upload and download the files for windows application.
* Experience with **Cross-Browser** and **Compatibility Testing** to test whether the web applications are working as desired in different browsers and environments.
* Automated and scheduled Build using continuous integration tool **Jenkins** Server at a periodic interval.
* Used **Apache POI** to read Test data from Excel sheet and used TestNG Data Provider to map Test data to Test methods.
* Performed **Integration and Regression testing** to check compatibility whether existing functionality is broken using **Jenkins** build jobs.
* Conversant with **Ant** and **Maven** project build tools.
* Created Load Runner scenarios and scheduled the Virtual Users to generate realistic load on the server using **Load Runner**.
* Responsible for developing and modifying automated test scripts using **Load Runner**.
* Experienced in using Test Management tools such as **HP Quality Center, Rally, JIRA** bug reporting tools to track test progress, execution and deliverables.
* Performed **BDD** (Behaviour Driven Development), **ATDD** (Acceptance Test Driven Development) using **Cucumber** Features, Scenarios and Step Definitions in **Gherkin** format.

**Education:** **Bachelor in Computer Science from Osmania University, India**

**Technical Skills:**

 **Methodologies                 :** Waterfall, Agile/Scrum, SDLC, STLC, Bug Life Cycle.

 **MS Office Tools**                : Word, Excel, PowerPoint, Access, Project, Outlook.

 **Testing Tools**                : Selenium WebDriver, TestNG, Selenium IDE, Selenium RC, SoapUI, QC, QTP, Appium, Protractor, Jasmine, Karma, Soap, Selenium Grid, JUnit, Cucumber, Restful.

 **Operating Systems**        : WINDOWS, Linux, Ubuntu, UNIX.

 **Languages**                         : Java, Python, SQL, HTML, XML, JavaScript, AngularJS, Gherkin, C, Android, C++.

 **Databases**                        : MySQL, SQL Server, Oracle.

 **Utilities :** Eclipse, GIT, SVN, Firebug, Fire Path.

 **Test Build & Integration Tools :** Maven, ANT, Jenkins.

**Professional Experience:**

 **RBC Bank| NC Apr 2019 to Present**

 **Role: Sr.QA Automation Engineer**

**Responsibilities:**

* Developed automation test cases, executed these test scripts and logged defects in **JIRA**.
* Used GIT repository for efficient remote team working, also stored the framework and all the developed test cases.
* Configured **Selenium Web Driver, Test-NG, Maven** tool and created **Selenium automation scripts** in Python using Test-NG prior to next quarter release.
* Analysis of Business and Requirement Specifications. Designing Test Lab and formulation of Test Strategy, Test Plans Performed functional testing to identify various critical points in the application and automated it by using Selenium WebDriver.
* Responsible for converting automation scripts to new framework using **Selenium WebDriver, Java and TestNG/JUnit.**
* Managed the Test Process, Web Testing, Test Process Improvement, Test Automation Architecture, Automation Planning, Intelligence Testing, **Web** Security Testing, **Unit Testing** and **SOA** Testing.
* Designed, developed and implemented **POM** based automation testing framework utilizing **Java, TestNG** and Selenium WebDriver. Involved in Automation of the test cases using **Selenium IDE, JUnit**and **Ant.**
* Configured Selenium **WebDriver, TestNG, Maven tool** and created **Selenium automation** scripts in java using **JUnit** prior to **agile** release.
* Tested **REST** web services using the different assertions like **HTTP** assertion, security assertions **and XPATH** assertions in **SOAPUI.**
* Developed and executed automated scripts using **Selenium, Python, PyCharm** for a different application to make sure that the products meet design specifications and are according to the standard policies.
* Developed **Python scripts** for Regression testing in PyCharm.
* Developed and Reviewed **test strategy, test plan, test scenarios** and **test cases** for Box Testing in **Quality Center (Application Lifecycle Management)**from the user stories and tasks.
* Tested compatibility of application for dynamic and static content under various cross browsers using **HTML IDs** and **XPATH** in **Selenium**.
* Used **Appium**to facilitate mobile testing by creating mobile Driver class with the required Mobile capabilities.
* Installed and configured **SOAPUI** using **WSDL** file, setting up the database connection, used **Java** and **groovy** scripting for creating test scripts.
* Prepared the Test status report every week based on the test results from the Mercury Quality Center **ALM**.
* Used TFS for life cycle management such as user stories, bug management and team communication. Also, used **Team Foundation server (TFS)** source control to deploy application.
* Developed High level **SQL scripts** to validate the data for the applications built up using Teradata.

**Environment:** Selenium IDE, Selenium WebDriver, Selenium Server, Apache POI, Auto IT, Java, HTML, CSS, XPath, Windows, Oracle Server, Maven, GIT, SOAPUI, Cucumber, Appium, Jenkins, Restful, Protractor, Python.

**KPIT Technologies, India Jan 2016 to Mar 2019**

**QA Automation Engineer**

**Responsibilities:**

* Assessed & analysed user stories and participated in **Sprint planning, Review Sessions & Scrum Meetings** and developed **Test scenarios, Test cases, Test data, Test procedures, Test reports.**
* Test for 100% coverage and accuracy in calculations determining **premium rates**.
* Worked on the JAVA Collections API for handling the data objects between the business layers and the front end.
* Design, develop and implement **Page Object Model** Pattern based **Keyword Driven automation** testing framework utilizing **Python, Test-NG** and **Selenium Web-Driver**.
* Involved in **User Acceptance Testing, GUI Testing,** and **Regression testing** of different modules of the application.
* Built **JavaScript** based test framework using **Cucumbers**, **WebDriver**, **node.js, angular.js**
* Implemented **Page Object Model** automation framework with Selenium WebDriver.
* I contributed to various models of framework such as **BDD, DDF,TDD, ATDD AND KDF.**
* Used **Firebug, Fire Path** to debug, edit and locate the objects based on ID, Name, XPath, Css Selector, Link, Partial Link, Attributes and Tags.
* Configured **Selenium Web Driver, Test-NG, Maven** tool and created **Selenium automation scripts** in Python using Test-NG prior to next quarter release.
* Implemented continuous integration using Jenkins, Python to execute on new builds, create and automatically report the results.
* Handled the special mouse events and selected the options from the tab menu using **Selenium Actions Builder, Mouse Hover and Synchronization**.
* Performed functional testing to identify various critical points in the application and automated it by using Selenium WebDriver with **TestNG.**
* **Functional testing**, **Integration Testing**, **System Testing** and **Regression Testing** was performed during the project.
* Implemented **step-definitions, page object mode**l in JavaScript **Node.js** and **angular.js** , implement cukerunner to execute cucumber feature-set in parallel on chrome, IE, Firefox browsers.
* **UI validation** which included various kinds of elements and functionalities was required.
* Performed **Parallel and Cross Browser testing** on different browsers like Internet Explorer, Chrome, and Firefox where multiple tests were run at the same time.
* Involved in setting up **JIRA** as defect **tracking system** and configured various workflows, customizations and plugins for the **JIRA** bug/issue tracker.
* Created test planning and participated in execution for **API testing**using **POSTMAN**tool.
* Developed **JSON test data** and implemented Functional and **Data Driven tests**using **Soap UI.**
* Implemented Descriptive framework using HP **UFT**.
* Performed web services testing both **SOAP** and **REST** with **SOAP UI** by validation request and response **for XML, Json.**
* **Involved in Executing test scripts in Mercury Quality Center.**
* Worked in Quality Assurance technologies like **Postman** for test execution.
* Created Test plan, High level scenarios, test case construction and test estimates, resource estimates and weekly status reports.

**Environment:** TestNG, Python, Eclipse, Manual Testing, Data Driven Framework, Page Object Model Pattern, Oracle, SQL, JIRA, Maven, Jenkins, Fire bug, Fire Path, Selenium IDE, Selenium Web Driver.

**Endurance Technologies| India Feb 2013 to Dec 2015**

**Role: Quality Analyst**

**Responsibilities:**

* Executed test cases and participated actively in **System Testing**, **UAT** and **Regression Testing**.
* Create and executed automated test scripts using **Selenium WebDriver**, **TestNG** and Database as source of Test Data.
* Executes test cases related to **Mouse Hover** using **Actions class** and find **hidden elements** using **XPath**, **frames** and windows classes.
* Wrote test cases to handle **Alerts** on the web page.
* Performed **Cross browser compatibility** testing using Chrome, Firefox, IE browsers.
* Performed **Synchronization** while testing using Selenium waits.
* Created **test reports** generated out of TestNG and created the **error** screenshots.
* Interacted with the Development team and the Environment team in prioritizing the **defect list** and validating known **bug fixes**.
* Performed **Sanity testing** and **Ad-hoc testing** when required.
* Found Defects, prepare **Defect reports** and **Status reporting**, Bug Triage, **Defect tracking** using **Rally.**
* Share **Daily Status Report** with all the team members, Team Leads, Managers and Clients.
* Executed some test cases using **TestNG parameters**, **data providers**, **suites**, **parallel suites**, **groups**.
* Involved in the use of **Cucumber Step Definition**, **Scenarios and Features**.
* Involved in the enhancement of **Hybrid framework** using Eclipse and Java.
* Performed testing on Web Services using **WSDL** and **SOAPUI** for to check the communication between devices over networks.
* Designed Analytics testing for Native apps using **Appium.**
* Used **Ant** as Build Management tool and used **Jenkins** tool for continuous integration of the builds.
* Created test cases and performed **Database testing** to check the data is being migrated properly.
* Wrote **SQL Queries** to connect to the database and retrieve data for a specified set of test requirements.
* Used **GitHub** as a source repository system to share code within the office as well as with the team in overseas.
* Wrote Unix **shell scripts** to validate, format and execute the **SQL’s** on **UNIX** environment
* Performed data integrity testing, **UI and back end testing** by executing **SQL** and **PL/SQL** statements
* Conducted **Conflict Management** meetings with the team, stakeholders for the better-quality outcomes.
* Involved in Preparation of **Test Scenarios** and review of **Test Cases**.
* Involved in updating and executing test cases according to requirements.
* Identified the Test Cases and documented them in **Quality Center**.
* Performed **GUI, Functional, Negative, Positive, Regression** and **User Acceptance Testing**.
* Prepared various reports based on different stages of Testing.
* Updated **Reports** and **dashboards** to display the status of test coverage including the number of test cases passing, failing or pending.
* Interacted with developers, users and various members of the team to discuss issues, resolve defects and set **priorities**.

**Environment:** Automation Testing, Manual Testing, QTP, VBScripts, SOAP, REST, TESTNG, Manual Testing, HTML.

References are available upon request