**Swaroopa P**

**QA Automation Engineer/SDET**

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**PROFESSIONAL SUMMARY:**

* Senior QA Automation Engineer with 9 years of full system development lifecycle experience, including designing, developing and implementing test plans, test cases and test processes. Offering significant follow-up skills, agile scrum, automation, manual, API, mobile app, and E2E testing expertise, and detail-orientation to track down enroller errors until a resolution
* Expertise in performing regression testing on new builds, every modification in the application using Selenium Web Driver.
* Expert in distributed test automation execution on different environment as part of Continuous Integration Process using Selenium WebDriver and Jenkins.
* Have strong Java, Python, C# .Net and Selenium Web Services skills. Experience with HTML and JavaScript.
* Working knowledge of Selenium WebDriver, RC, IDE, Grid, and Jasmine for creating end-to-end automation.
* Demonstrated proficiency in the development and upkeep of automated testing using Git, Postman, Typescript and protractor.
* Extensive experience working with ADO, Bamboo, Harness, Bitbucket, GitHub, and Git bash for source control versioning, and continuous integration/delivery.
* Proficient in modern testing frameworks like Playwright and Cypress for UI automation testing and have strong API testing skills.
* Strong proficiency in Linux operating system and experience with Spring Framework and Spock Framework for
developing and executing test cases.
* Proven track record using test automation tools like JSON, Testing, Jmeter, and Junit.
* Vast experience setting up CI/CD pipelines using AWS and Maven-based tools.
* Demonstrated proficiency with test management and defect tracking tools like Jira, HP Quality Center (ALM), and
Quality Center.
* Extensive experience working with ADO, Bamboo, Harness, Bitbucket, GitHub, and Git bash for source control, versioning, and continuous integration/delivery.
* Proficient in modern testing frameworks like Playwright and Cypress for UI automation testing and have strong API testing skills.
* Experience in developing end to end automation using ANT, Jenkins, WebDriver, Web Services (REST, SOAP), and Rest Sharp. Experience in writing SQL Queries for backend/ETL testing.
* Vast experience in BDD using the Gherkin GWT format, with a focus on functionality and behavior.
* Proven track record in SQA (Software Quality Assurance), including manual and automated testing using SOAPUI, Grid, and Cucumber BDD. Proficient in all Ds (BDD, ATDD, TDD).
* Experience working with cloud platforms like Azure/AWS and proficient in NoSQL databases and Graphql testing.
* And Expertise in Git version control and experience in using SQL/non-SQL databases for testing.
* Working knowledge of databases, Azure SQL Data Warehouse, and Cloud Services.
* Experience in using Web - debugging tools like Fire Path and Firebug for finding elements locator.
* Strong experience in using Java, JUnit and Test-NG test framework to write functional tests.
* Experience in creating Test Strategy, Test Plans, Test Estimation and Requirement Traceability Matrix.
* Expert in performing different tests types of QA Methodologies like White Box, Black Box, Front-End and Back-End, Stress & Load, Regression, Configuration, Functional, Installation & Integration, Smoke, and User Acceptance Testing.
* Expert in Created Maven Build files and used SVN for version control.
* Expertise in creating various artifacts like Functional Specs, Use Cases, UML Diagrams, Test Plans and Test Strategies, and Status Weekly Reports etc.
* Experience in testing **AngularJS** with **Jasmine, protractor** and **Karma**
* Experience in developing and executing manual and automated tests in different platforms using Java and the Selenium library.
* Good experience with test framework for AngularJS, NodeJS, Bootstrap and other JavaScript applications by using Protractor Testing.
* Expert in Firebug Tool to identify the Objects id, Name, XPath in the application.
* Experience in web technologies like JavaScript, XML, XPATH, XSLT, AJAX, HTML and CSS.
* Expert using open source bug tracking tool JIRA, Quality Center and Bugzilla.
* Extensive experience in all MS office and Project Portfolio Management (PPM), MS Windows operating systems, designing and implementing web-enabled and enterprise client/server applications with various software tools in various architectures.
* Experience with comprehensive understanding of all phases of Test Life Cycle, including requirements gathering, test planning, scheduling, testing, defect tracking and reporting.
* Strong PL/SQL, developing database queries for Backend Testing, in-depth Knowledge of Oracle and SQL Server, resolved Database Performance issues Knowledge in performing Database testing on Oracle, SQL Server using SQL Developer and TOAD.
* Exposure to different development methodologies like Waterfall Model, Iterative and Agile development.
* Excellent experience in troubleshooting software applications for business functions in major areas of the business and enterprise-wide.
* Ability to adapt to new environment quickly, strong team player, good communication, good analytical and computation skills, enthusiastic learner, confident, sincere and committed.

**TECHNICAL SKILLS:**

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| **Languages**  | Java, Python, Linux, HTML, CSS  |
| **Database**  | Oracle, SQL Server, MySQL  |
| **Testing and Defect Management Tools**  | Selenium, Postman, SoapUI, Browser Stack, JMeter, Cucumber BDD, Appium, Protractor, Jasmine, Jenkins, Docker, JIRA, Quality Center  |
| **Frameworks**  | Testing, Robot Framework  |
| **Coding Tools**  | Eclipse IDE, Jetbrains  |
| **Architecture**  | Web based and Mobile applications, OOP and Client server |
| **Tools** | MS Office, Eclipse, UML, Rational Rose, Adobe Acrobat, MS Visio, MS Project, Microsoft FrontPage, Fire bug, Fire Path, IE Developer Toolkit and HTML |
| **Web Browsers & Servers** | Microsoft Internet Explorer, Mozilla Firefox, Chrome, Opera, Tomcat and Web Logic |
| **Operating Systems** | Windows Variants, Unix, Linux, MAC |

**EDUCATIONAL DETAILS:**

* **Bachelors in Computer Science of engineering at JNTUK - 2014.**

**PROFESSIONAL EXPERIENCE:**

**Conduent, Austin, TX. Jan 2022 – Till date**

**Role: Senior QA automation Engineer**

**Responsibilities:**

* Participated in Agile iteration planning meeting and reviewed business functional requirements documents
* Created and enhanced numerous test scripts to handle changes in the objects, in the tested application’s GUI and in the testing environment using Selenium WebDriver.
* Developed Test Frameworks in Selenium for UI Regression Test Automation and when necessary, and potentially execute Unit Test Automation (Java /Testing) prior to agile release.
* Worked on Cucumber was used for the entire regression testing and functional testing with Selenium as primary tool to the Test Scenarios, Test Cases and Test conditions identified.
* Developed automation framework for Selenium WebDriver in Modular Framework model.
* Written test cases in test-driven approach with mock objects and well-defined interfaces.
* Developed Automation framework using Selenium Web Driver.
* Performed functional testing to identify various critical points in the application and automated it by using Selenium Web-Driver with Testing.
* Designed and developed automated test scripts using Selenium WebDriver and other automation technologies like Playwright/Cypress, JUnit, and Cucumber, to ensure the quality of software products across different platforms and environments.
* Create scripts Python for new functionalities and update the existing scripts for upgraded functionalities.
* Created Selenium web-driver automation scripts using Python to validate functionality on various browsers.
* Developed and Implemented automation using Selenium WebDriver and Java. Used Eclipse IDE to develop & debug the code.
* Used Maven to build and run the Selenium automation framework. Once the script got over, framework used to send the automation reports over email.
* Help in developing required Selenium support code in Python.
* Actively participated and Interacted with product management teams in the review and analysis of functional requirements.
* Involved in designing of the modules and testing JAVA classes that controlled the whole flow of the module as per specifications.
* Wrote and executed automated test cases using Selenium Web Driver to automate manual testing solutions.
* Extensive use of Web load and Web driver to perform regression and Load testing.
* Developed Complex Automated Script framework and utility functions for performance testing using Load Runner and Web Load.
* Developed automated script for back-end testing using Selenium Web driver.
* Utilized testing tool Test-NG extensively for the integration testing and unit testing.
* Performed automation tests using Jasmine and Protractor to perform UI testing
* Designed and implemented test cases for core front end components.
* Responsible for updating regression tests and issue documentation.
* Developed test code in Java language using Eclipse IDE and Test-NG framework.
* Performed test code review with developers.
* Involved in the Continuous Integration of the automation framework with Jenkins.
* Integrated the test suites to Jenkins to execute them automatically after every successful deployment.
* Worked on Data Driven Framework and MVC for Automation test scripts.
* Performed functional testing of SOAP and RESTFUL Web Services using SOAP UI Tool.
* Responsible for capturing defects, creating defect report.
* Developed test plan, test strategy and reviewed with peers.
* Attended for all weekly QE status meetings and provided status update.

**Environment:**Java, Python, Cypress, ALM, Selenium Web Driver, JMeter, JUnit, SOAP UI, Cucumber, Test NG, Bugzilla, Eclipse, Agile, Scrum, Eclipse, MySQL, HTML, CSS, JavaScript, Protractor, CI/CD.

**Fifth Third bank, Cincinnati, OH**  **Jan 2020 – Dec 2021**

**Role: Senior QA Automation Engineer**

**Responsibilities:**

* Analysed business requirements and functional documents and created the test cases for the frontend page and deployed it into testing environment and check that all components are working properly.
* Created automation framework and test scripts using Selenium Web-Driver for multiple platforms and browsers testing.
* Design, develop and implement Page Object Model Pattern based Keyword Driven automation testing framework utilizing Java, Test-NG and Selenium Web-Driver.
* Worked on Review manual test cases and convert them to Automation Scripts using Selenium.
* Worked on functional testing to identify several critical points in the application and automated it by using Selenium Web Driver.
* Worked on the test plans on web and mobile (Apple & Android) as per requirements using Appium tool.
* Implemented simulator for Mobile App Testing in Android Platform using Appium.
* Worked on building automation framework from scratch using Selenium Web Driver, JAVA, JUnit, Cucumber, and Eclipse.
* Implemented Regression and Smoke test execution as a discrete step of the deployment process by using Web Driver.
* Worked on Configured Selenium Web Driver, Testing and Maven tool and created Selenium automation scripts in Java, python using JUnit prior to agile release.
* Worked on Execution of automation regression suite using Selenium and testing framework.
* Worked on setting up Smoke and Regression automation suite using Selenium Web Driver.
* Developed Automation framework implementing Page Object Model, using JAVA, Selenium Web driver and Cucumber.
* Designed the test scripts and analysed the results in various levels of the application including integration, regression, functional and acceptance testing using Selenium.
* Prepared Test Plan, test Cases, Test scripts and Test Metrics for the application as well as for the database verification based on the functional requirements, portal redesigned and test specs.
* Worked on Ensure to guide process and technology adoption to assure apt QA testing of User Interface application.
* Worked on BDD (Behaviour Driven Development) using Cucumber Features, Scenarios and Step Definitions in Gherkin format.
* Performed User Acceptance testing (UAT) exclusively in an agile environment.
* Used Selenium Web Driver to run test cases in multiple browsers and cross Platforms.
* Performed UI, Functional and Regression testing by automated using Selenium, testing, Maven, and Jenkins.
* Extensively Worked on SOAPUI for functional testing of web services.
* Used CA IntroScope to monitor and collect metrics on production and test servers.
* Integrated Automation scripts (Selenium Web Driver API) in Continuous Integration tools (Jenkins) for nightly consignment run of the Script. Designed Project plan on Jenkins, configured scheduled using Cron job.
* Created and executed CA LISA & SOAPUI Scripts for the Web Services testing.
* Performed Data driven testing using JUnit functions and Selenium Web Driver which examines the data properly from XML files.
* Used Apache POI API to register the test data from the excel sheet.
* Worked on the Business Requirements Document (BRD), designed Test cases and Test scripts for the application under examination.
* Worked on preparing a report of all automation difficulties and test results for a further application using Maven. Performed functional testing of SOAP & Restful Web Services using SOAPUI Tool Used Java/JUnit to run Cucumber feature and scenarios and generating report daily basis.
* Used MAVEN for build management, SVN as source repository and Jenkins for Continuous Integration of the builds.
* Involved Attended review meetings with Business Analysts, Developers and end users to understand the requirements.
* Involved in preparation of Test plan and mapping test cases to requirements.

**Environment**: Selenium Web Driver, JIRA, Jenkins, MAVEN, SVN, Apache-POI, Cucumber, Gherkin, Appium, Oracle DB, Eclipse, Firebug, Fire Path, SOAPUI, XML, HTML.

**Pactera edge technologies, India. Oct 2018 – Nov 2019**

**Role: QA Automation Engineer**

**Responsibilities:**

* Analysed Business Requirements Documents to get better understanding of the system both on technical and business perspectives.
* Worked in the agile environment with frequently changing requirements and features set.
* Prepared Test Plans, Test Scripts and Test Cases based on functional specifications and user requirements.
* Participated in SDET (Software Development Engineer in Test) for automated test cases and the frameworks to execute and report them.
* Worked on MDM (Mobile Device Management), responsible for all the stages from requirement gathering, development and testing.
* 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.
* Tested Web app, Native app using Appium for automating the mobile testing and also perform manual testing according to the requirements.
* Implemented simulator for Mobile App Testing in Android Platform and iOS Platform using Appium and See Test.
* Implemented Page Object Model Pattern (POM) based Keyword Driven automation testing framework utilizing Java, Test-NG and Selenium Web-Driver.
* Worked on ANT and Maven for building the WebDriver project. Integrated with Continuous Integration tools Jenkins for running tests automatically.
* Implemented automation framework in Selenium WebDriver using Behaviour-Driven (BDD) approach in Cucumber framework with Gherkin.
* Involved in integrating the test suites to Jenkins to execute them automatically after every successful deployment.
* Designed data-driven testing framework in Selenium and captured data dynamically from web controls.
* Executing the test plans on web and mobile (Apple & Android) as per requirements.
* Worked with Developers, as necessary, to isolate and repair bugs. Tracked software problem reports using Team Foundation Server (TFS).
* Created and Maintained Server side Integration Test using Python and Selenium WebDriver.
* Worked on White Box testing by authoring python Codes in Selenium WebDriver
* Worked on load and performance testing tool JMeter.
* Designed and Developed UAT Regression automation script and Automation of functional testing framework for all modules using Selenium and WebDriver.
* Created the test data and request for the test data dependent with the other applications to be used in the testing activities for the current release.
* Created DB Fit tests for querying the database
* Used XPath and DOM to work with dynamic and static objects in Selenium.
* Worked on 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.
* Performed Smoke, Functionality, Integration, System, Regression tests based on Analysis, and understanding of the requirements, non-functional specifications, and end-user needs.
* Prepared test cases, test data and test responsibility matrices for the application under test.
* Used GIT as code repository and Code Collaborator to manage code reviews.
* Tool Evaluation for mobile Automation and performed a proof concept for different mobile automation solutions to decide upon the best suited tool for Coded UI.
* Involved in regression testing using QTP tool prior converting QTP scripts to Selenium web-driver.
* Implemented and worked on Acceptance Test Driven Development (ATDD) agile methodologies completing releases ahead of schedule.
* Performed defect reporting and bug tracking using JIRA and also followed up with development team to verify bug fixes, and update bug status.
* Reviewed database test cases according to assigned Requirements to validate reports by retrieving data with complex SQL queries from SQL Server.
* Actively participated in walk-through, inspection, review and user group meetings for quality assurance with BAs, SMEs and Developers.

**Environment:** Selenium WebDriver, Eclipse, Jenkins, SOAP UI, Maven, Appium, Junit, testing, Jira, GIT, JMeter, Fire path, Firebug, Eclipse, XPATH, Java, Cucumber, Ruby, HTML, CSS, JavaScript, SQL Server 2012, Agile, Windows and Linux.

**Cigniti Technologies Ltd, India. Jan 2017 – Sept 2018**

**Role: QA Automation Engineer**

**Responsibilities:**

* Involved in the design and development of test plan from the Business and Functional Requirements which includes test objectives, test strategies, test environments etc.
* Involved in design and implementation of Selenium WebDriver automation framework for smoke and regression test suites.
* Created scripts on Eclipse to perform cross browser testing using Selenium Web driver.
* Performed Data driven testing using Selenium and testing functions which reads data from property and XML files.
* Involved in writing Maven build dependencies to automate the compilation and execution of test cases/suites.
* Used Cucumber for the Regression Testing and Functional Testing with Selenium as the primary tool for the Test Scenarios, Test Cases and Test conditions identified.
* Created XML based test suite and integrated with Jenkins Server to execute automation scripts on a regular basis by scheduling Jenkins jobs in different test environments with different test configurations.
* Involved in using GIT for source control of the test automation scripts.
* Involved in Test execution involving System Testing, System Integration testing, Regression Testing, Smoke Testing.
* Developed and Executed Test Plans and Test Cases from Requirements and Specification documents.
* Authored and Executed Automation and Manual Test Cases for Functional testing of various modules of the application
* Used XPath and DOM to work with dynamic and static objects in Selenium.
* Involved in SOAP and REST based web services testing using Postman testing tool.
* Wrote test cases from requirements documents and functional specifications using HP ALM.
* Performed Backend testing by writing and executing SQL queries to validate the data is populated in appropriate tables and verify the correctness manually with the front-end values.
* Worked in Agile methodology, as part of sprint planning review the test stories, planned the test sessions and attended daily stand up meetings.
* Prepared status summary reports with information about the executed, passed and failed Test Cases and involved in weekly testing and task review meetings.

**Environment:** Java, Selenium WebDriver, testing, Eclipse, Maven, Cucumber, Jenkins, GIT, XML, XPath, DOM, Postman, HP ALM, SQL, Agile and Windows.

**Value Labs, INDIA Jul 2014 – Nov 2016**

**Role: SDET Engineer**

**Responsibilities:**

* Developed test strategy, test plan, test cases and test scenarios based on requirements Document.
* Developed Test Strategy and Test Plan to ensure that test cases reflect user needs for the functional Performance, Usability and Security requirements.
* Identified program variance from functional requirements and recommended modifications for standardization and increased usability.
* Involved in defining test automation strategy and test scenarios, created automated test cases, test plans and executed tests using Selenium WebDriver.
* Prepared manual test cases for service appointment creation, modification and deletion. Generated test scripts, and performed functionality testing.
* Involved in performing extensive back-end testing to make sure data is properly reflected on the web Application.
* Performed functional testing of SOAP and REST Web Services using SOAP UI Tool and assertions on request and response XML on both SOAP and REST Web services.
* Executed the test cases manually and automation as necessary and worked on XML.
* Used Quality Center as a defect management tool.
* Performed Manual Testing and regression testing activities for new releases as an end-to-end testing on Different platforms like windows with different web browsers.
* Responsible for documenting errors, their resolution, as well as performing extensive Regression Testing.
* Maintained defect tracking in Excel spread sheet and prepared weekly reporting for the management.
* Involved in weekly walk through and inspection meetings to verify the status of testing and to discuss defect and like scenarios.

**Environment:** Manual Testing, HTML, MSOffice, Quality Center, SQL Server, Windows.