**Santosh**

**QA Automation Engineer**

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**Professional Summary**

* **QA Automation Engineer** with **5 years** of experience in Information Technology, with specializing in Manual and Automation Testing and proficient in testing **Web** Based Applications.
* Experience in all phases of Software Testing Life Cycle (**STLC**), Software Development Life Cycle (**SDLC**), **Bug life cycle a**nd methods like **Waterfall** and **Agile.**
* Extensive experience in implementing QA Methodologies, Test plans, Test Cases, Test Scenarios and test deliverables for various applications.
* Experience in Automation testing using **Selenium WebDriver, TestNG, Jenkins, Appium, Maven, Cucumber, SOAP UI, POSTMAN and HP QC/ALM.**
* Key expertise includes testing and debugging GUI and Multi-Applications environment and automated testing using **Selenium WebDriver**.
* Good knowledge in Mobile Automation tool **Appium.**
* Experience in designing and implementing different automation frameworks from starch like **Page Objects framework, Keyword Driven framework, Data Driven framework and Hybrid framework.**
* Good experience in **Selenium Test Environment** setup expert using the entire open source tools. Excellent knowledge in writing unique **XPath** using **firebug and firepath** to identify **web elements.**
* Extensively worked on **Selenium WebDriver** with the preferred Languages **Java, Python.**
* Expertise in using **Apache POI** to read data from external sources to feed locators into the test script.
* Proven ability in developing BDD scripts with **Cucumber**and writing step definitions for behavior.
* Expertise in documenting defects with high level of detail, accuracy, and informative recreation steps using **Quality Center/ALM, JIRA.**
* Experience in **Functional Testing**, **Integration Testing**, **Manual Testing**, **Regression Testing**, **Unit Testing**, **Black-box** **Testing**, **White-box Testing**, **Grey Box Testing**, **Graphical User Interface**(**GUI)** **Testing**, **System** **Testing**, **API** **Testing**, **User Acceptance Testing**(**UAT**) Browser Compatibility Testing.
* Expertise in implementing **Maven** as a build management tool to manage the required **dependencies, plug-ins** and for uniform build system.
* Experience working with **logging frameworks** such as **Log4j** and **Extent loggers** to capture the flow details of the test cases.
* Experience in finding web elements using **locators** like **CSS Locator**, **XPath**, **id**, **name**, **classname**, **linked text**, **partial linked text,** and **tag name**.
* Good experience in **Web Services testing using WSDL, SOAPUI.**
* Strong experience with **SOA** architecture including Soap **Web Service** and **RESTful Web Service** Testing.
* Experience in **POSTMAN** tool for API testing for some scenarios.
* Worked in a highly dynamic **AGILE** environment and participated in S**crum** and **Sprint** meetings.
* Participated in various meetings and discussed Enhancement and Modification requests.
* Good analytical and communication skills and ability to work independently with minimal supervision.
* Highly motivated team player with analytical, organizational and technical skills, unique ability to adapt quickly to challenges and changing environment.

**Technical Skills:**

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| **Testing Tools** | **Selenium WebDriver/IDE/GRID,** HP Quality Center/ALM, **Cucumber, TestNG, SOAPUI, Appium (Mobile Testing), POSTMAN** |
| **Language/ Script** | **Java, JavaScript,** Python |
| **Frameworks** | Junit, TestNG, TDD, BDD, Cucumber |
| **Firefox Add-ons** | XPath, Firebug |
| **Web development** | HTML, XML, CSS, JavaScript, Python |
| **SOA Technologies** | **SOAP, REST, WSDL, Web Services** |
| **Bug Tracking Tools** | HP Quality Centre/ALM, JIRA. |
| **Build/ CI Tools** | **Ant, Maven, Jenkins** |

**Professional Experience:**

**Client: Herring Bank, Amarillo, TX Mar 2020 – Till Date**

**Role: QA Automation Engineer**

**Responsibilities:**

* Reviewed the Product Backlog, Functional Specifications Document and Technical Documentation.
* Interacted with the Project Manager, Business Analysts and Developers to understand the application design and functional specifications.
* Implemented Hybrid automation test framework with **Selenium WebDriver, Python and TestNG.**
* Selected the Test Cases to be automated and performed functional testing of the front end using **Selenium WebDriver** & created Data Driven framework using **TestNG.**
* Implemented test automation scripts for mobile testing using **Appium** for Android and iOS applications.
* Used Appium tool, for mobile testing in Android, IOS and other mobile applications.
* Used **Apache POI** to read data from external sources and provide them as parameter to the locators in the test script.
* Prepared Test cases for positive and negative test scenarios as referred in the user stories keeping in mind Boundary Value Limitations, Equivalence classes.
* Automated running Regression tests and build report generator for daily builds using Jenkins Build Jobs, Maven.
* Tested compatibility of application for dynamic and static content under various cross browsers using HTML IDs and XPath in **Selenium**.
* Implemented Data driven framework and worked extensively with **TestNG** Testing Framework. Has implemented cross browser testing and Data driven testing using @parameters and @Dataproviders annotations.
* Tested broken links and inter application links (page redirects to respective URL's) in development, test and production environments.
* Used **Selenium WebDriver and TestNG** to run parallel testing by creating Groups, and categorizing test cases.
* Used TestNG Annotations in Selenium Web Driver in Python and executed a batch of tests as testing suite.
* Performed **Selenium Synchronization** using Explicit & Implicit waits.
* Performed Cross browser compatibility testing on Chrome, Firefox, IE browsers using **TestNG** suites.
* Worked on Web services using **POSTMAN** exclusively on obtaining the needed information using the **URL** approach.
* Worked on **Capturing Screenshots** on Failure or Pass to analyze the test failure reason.
* Coordinated with application team to ensure resolution of all issues and completion of work on time.
* Wrote **XPATH** expression for identifying dynamic object and handled Ajax requests using Synchronization.
* Created test reports generated out of **TestNG** and captured the error screenshots.
* Dealt with Accessing Links & Tables using **Selenium WebDriver** and collections framework.
* Used **BDD** **Cucumber** by creating the Features and Step Definition files to execute test scripts.
* Used **Jenkins** tool for continuous integration of the builds.
* Implemented automation test scripts in **SOAPUI** for web service testing.
* Conducted backend testing using SQL queries to validate data for database and Used SQL queries for retrieving data from database for executing user specific test cases.
* Responsible for entering, tracking bugs in **JIRA** to resolve bugs. Involved in verification of fixed bugs using and generated weekly quality progress reports.
* Configured Jenkins build job for continuous Integration and also for Regression Testing.
* Used version control software like **GitHub.**
* Participated in walkthroughs and technical reviews all through the testing phase.

**Environment:** Python, Selenium WebDriver, TestNG, Soap UI, Appium, JIRA, Jenkins, Maven, POSTMAN, Cucumber, XPath, XML, SQL, Agile (Scrum), Web Services, Windows.

**Company: Blue Bird Technologies Pvt. Ltd, Hyderabad, India Oct 2016 – Jan 2019**

**Client: Synovus Bank**

**Role: QA Automation Engineer**

**Responsibilities:**

* Research, define and write accurate, detailed, organized user stories and acceptance criteria based on product goals and business objectives.
* Involved in Regression testing using **Selenium** and Creation of automation scripts for web pages
* Developed automated Test cases in **Java** using **Selenium WebDriver**.
* Created user defined functions in **Java** and implemented the functionality with **Selenium.**
* Understanding requirement and developing end to end automation test scripts using **Selenium WebDriver** with **TestNG** framework.
* Find, isolate, document, regress, and track bugs through resolution via **JIRA.**
* Designed, developed and implemented Test Driven automation testing framework utilizing **Java** in **Eclipse**
* Conducted Test Case Walkthroughs to achieve consensus on Test Case correctness & completeness
* Executed and managed functional, integration, and system test cases. Wrote test cases to handle Alerts on the web page.
* Worked on the Android module of the project where I was responsible for automating the app using **Appium.**
* Used Appium tool, for mobile testing in Android, IOS and other mobile applications.
* Writing **Selenium** test cases using **Eclipse** and **Java** as the base language to test various components of applications.
* Involved in using **Maven** build tool to manage framework dependency jar files in POM.xml.
* Used automated scripts and performed functionality testing during the various phases of the application development using **Selenium.**
* Performed Compatibility testing of applications for dynamic and static content of browsers using HTML Id's and XPath in **Selenium.**
* Working with Android developers to have **Appium** automation.
* Wrote Features using Gherkin format and implemented the step definitions using Cucumber for User Acceptance Test (UAT).
* Executed **SOAP** based web services API testing (**Java** client and **SoapUI**).
* Used **Selenium WebDriver** for automating of Cross Browser Testing on IE, Firefox, Safari and Chrome.
* Worked directly with analysts and developers to investigate software defects.
* Clarify requirements based on reviewing work flows and document findings and decisions.
* Worked closely with team QA to develop comprehensive Rest API test strategy.
* Validated **SOAP** responses by adding Assertions.
* Using Postman validated REST API Web Service Call by sending JSON Request and JSON Response.
* Used **JIRA** for defect tracking. Based on priority/Severity of defects coordinated with dev team and make sure bugs were fixed on time.
* Working closely with the Developers in the review and modification of the product and its specifications using Agile-testing methodology.

**Environment:** Java, Selenium WebDriver, TestNG, Maven, SoapUI, Jenkins, Appium, Agile, POSTMAN, XPath, JavaScript, JIRA, Firebug, SQL, Oracle, Windows.

**Company: I Base IT, Hyderabad, India Feb 2015 – Sep 2016**

**Client: Cato Fashions**

**Role: QA Engineer**

**Responsibilities:**

* Responsible for designing test cases and executing them within an AGILE software development SCRUM environment.
* Performed test automation Development using test framework that implements **Page Object Model** (POM), cucumber feature files, and **TestNG** configuration.
* Implemented Continuous Integration of automation framework using **Jenkins**.
* Verify **Web service API’s** requests and responses usin **XML** and **Soap UI.**
* Performed SOA / web services testing using **SOAP UI,** wrote adaptors to test / invoke web services.
* Performed Data driven testing using **TestNG** functions and Selenium WebDriver which examines the data properly from XML files.
* Enhanced the current **Hybrid Framework** using Selenium custom functions, for functional and regression automation testing.
* Involved in Back End testing, written SQL queries to retrieve and validate the data.
* Identifying feasible non-functional test cases for Performance testing.
* Written automation script using Java & Selenium WebDriver and resources in source control in **GIT** over the time for improvements and new features
* Analyzed test results, tracked the defects and generated reports using **JIRA.**
* Tested request and response XML's based web services interfaces using **Soap UI.**

**Environment:** Java, Selenium WebDriver, JIRA SOAPUI, TestNG, Maven, Eclipse, WSDL, XML, GIT, **Agile,** and Windows