**SIRISHA**

QA Automation Engineer

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**PROFESSIONAL SUMMARY**

* Over 8 years of experience in Information Technology with emphasis on Quality Assurance (QA) in both Manual and Automation testing.
* Experienced in formulating Test Plans, Test cases, Test Scenarios, Test Approach and set up a testing environment.
* Expertise in diverse types of testing like Automation testing, Manual testing, System Integration testing (SIT), System testing, Smoke testing, Regression testing, Performance testing, Functional testing, Database testing, GUI testing, Web / UI and User Acceptance Testing.
* Extensive experience in writing Test Case Design Document, Test Cases, Test reports and execution of Test Scripts for system, integration, UAT and regression testing by analyzing requirements
* Having a good hands-on experience on Hybrid Driven, Data Driven, Keyword Drivenand Page Object Model automation frameworks using Selenium and **TestNG** to establish an initial test baseline that validates software builds.
* Tested Web Services /XML / **SOAP** and **RESTful** services using SoapUI tool.
* Experience in software engineering methodologies or SDLC like **Agile/Scrum** and **Waterfall** methodologies.
* Designed and Developed Automation test scripts in Java implementing the test in **Selenium Web Driver**.
* Experience with open-source tools Selenium (**Selenium IDE**, **Selenium RC**, **Web Driver**).
* Designed and Developed Automation frameworks in **JUnit** and **TestNG**. Implemented frameworks like **POM**, POM using **Page Factory** and **Data Driven**.
* Involved in all stages of Software testing life cycle (STLC), Test Driven Development methodologies, Software Development Lifecycle (SDLC) using Waterfall, Agile methodologies.
* Implemented functional tests using **Java**, **TestNG/Junit** framework and **BDD** through **cucumber**.
* Experience in working with open-source tools such as **Selenium IDE**, **Selenium RC**, **Selenium WebDriver**, **Selenium Grid**, **Cucumber, JUnit**, **JIRA** and **Eclipse**.
* Worked on Continuous Integration Process using **Jenkins, SVN**, **TestNG** and **Maven**.
* Extensively used XPATH, Regular expression and classes to perform UI actions. Exported output/reports for all automated testing results.
* Experience on **Groovy Scripts** for **Web Service** API Testing.
* Strong exposure testing applications on different browsers like **IE,** **Firefox**, **Chrome**.
* Hands on experience in writing **SQL** queries and executing procedures to perform back-end testing for the expected results.
* Effective experience in Testing Database Applications of RDBMS in MS SQL Server, MS Access and Oracle.
* Expertise in Problem solving and Defect Tracking Tools like **Quality Center**, **Bugzilla** and **JIRA**.
* Proven ability in designing and creating automation frameworks for J2EE based applications using **Java**, **JUnit/TestNG**, **Selenium WebDriver/IDE/Grid**, **ANT/Maven** and **Jenkins**.
* Experience in **Data Driven Testing**, **Cross browser testing** and Parallel Test Execution using **Selenium WebDriver**, **TestNG** and **Selenium Grid**.
* Experience working with Cloud environments (i.e., Amazon AWS and EC2)
* Excellent analytical and programming abilities in using technology to create elegant, flexible and maintainable solutions for the complex testing problem.
* Self-motivated team player with excellent problem-solving skills and ability to learn new technologies and tools quickly.

**TECHNICAL SKILLS**

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| Automation Skills | Selenium WebDriver, TestNG, Cucumber |
| Programming Languages | Java |
| Web Technologies | HTML, CSS, JavaScript, AngularJS, XML |
| API | Soap UI, REST, READY, Postman |
| Defect Tracking Tools | HP ALM, HP/Quality Center, JIRA, Bugzilla |
| Test Build & Integration Tools | Maven, Jenkins, GitHub |
| Frameworks | BDD, Keyword Driven, Data Driven, Hybrid, POM |
| Methodologies | Agile, Waterfall, Scrum |
| Databases | Oracle, SQL Server, MySQL |
| Browsers | Google chrome, Mozilla Firefox, IE, Safari, Opera. |
| Add-ons | Eclipse IDE, Fire Bug, Fire Path, Selenium IDE, Selenium Builder |
| Mobile Testing Tools | Appium, Android, IOS |
| Operating Systems | Windows 7/8/10, Linux, Mac OS |
| Other Tools | Microsoft office, Microsoft Teams, Microsoft Team Foundation Server (TFS) |

**WORKING EXPERIENCE**

**Travelers, Hartford, CT Jan 2019-Till Date SDET/QA Automation Engineer**

**Responsibilities:**

* Testing of new features by creating test specifications, test cases, and working closely with development and business teams.
* Performed Functional Testing, Regression Testing, User Acceptance Testing (UAT), and Integration Testing using Black Box Testing methodologies.
* Design, develop, and implement cost effective methods of system integration testing
* Define, develop, and execute automation test scripts using Java that leverage black and white box testing across functional area.
* Designed and developed Hybrid automation framework and maintained the code in Bitbucket and used continuous integration tools to schedule the jobs.
* Tested compatibility of application for dynamic and static content under various cross browsers using HTML IDs and XPath in Selenium.
* Developed automated scripts using **Selenium WebDriver, Java, Junit in Eclipse IDE** to perform functional and regression testing for web-based applications.
* Automated Database validations using open-source API like **Apache poi** and used poi library for fetching the data from Excel.
* Written automated scripts with XPath to identify web elements such that most of the browsers can be used.
* Implemented **Maven** Build tool by configuring the POM file with all required Jars and maintained the POM file.
* Performance tuning has been done to increase the throughput for both mapping and session level and **SQL** Queries Optimization as well.
* Experience in creating and updating **Java** test scripts using **Selenium** IDE and Selenium Web-driver.
* Lead the team in onsite-offshore model by mentoring the team in order to handle their tasks like web application testing using selenium.
* Implemented well-formatted Logs by using API's Like **Log4j** and Reports using **Junit**, **Cucumber**.
* Implementation of ATDD technical practices (e.g., Automated testing, TDD, continuous integration) create a robust/reliable /repeatable automation test bed.
* Used **BDD** (Behavioral Data Driven) approach to writing feature files using **Gherkin** format.
* Implemented Test-driven development (TDD and BDD) framework using **cucumber** tool with **Gherkin** Language.
* Created Features in cucumber and started automating the User stories before the development ends.
* Worked closely with the product owner and scrum master to design testing Cucumber.
Implemented Page Object Model (POM) by creating objects for each page
* Tested **REST** and **SOAP** Services by using **SOAP UI, POSTMAN** tools and validated the responses against the database
* Responsible for preparation of Test cycle/progress reports, analysis of defect metrics& implement improvement actions for next iterations.
* Involved in Defect Management, Defect Review and Defect Status Reporting.
* Identifying, logging, tracking and escalating bugs using **JIRA/HPALM.**
* Performed backend testing using SQL queries to retrieve and verify information in the database.
* Developed **SQL** queries to simulate data validation reports and to stage test data for ongoing testing.
* Implemented Jenkins Code Deploy plugin to deploy to **AWS** and used to automate the build process and deploy the application to Tomcat server.
* Maintained QA/Test environments and assisted in build and deploy activities.
* Communicate testing status to project managers, and teams who are involved in User Acceptance Testing
* Interacted with the development team to validate the scope of fixing the bugs

**Environment**: Java, Selenium Web driver, Junit, Eclipse, XPATH, HTML, SQL, GIT, Jira, Cucumber, Postman, SoapUI and QC.

**First Data, Atlanta, GA Sept 2017-Nov 2018**

**QA Automation Engineer**

**Responsibilities:**

* Analyzed Business Requirements and Functional Specifications to develop Test Plan and Test cases.
* Involved in creating Test Scenarios and Test data by looking at the Requirements.
* Performed manual testing for functional and back-end testing.
* Designed and developed Keyword Driven and Data-Driven automation framework for functional, and regression testing using **Selenium Webdriver**.
* Developed and executed automated tests scripts using **Selenium** for Regression Testing applying different Automation Framework.
* Designed and managed automation framework for **REST APIs** using **Rest Assured, Eclipse and Java**.
* Developed new and updated existing Automation test cases using Selenium Web driver.
* Tested entire functionality of the application on different browsers based upon Business and System Requirements.
* Compiled test metrics on a weekly basis and tracked the status of the test cycle.
* Analyzed the script execution report using **Java** framework like **Cucumber, TestNG**.
* Maintained requirements traceability matrix for Automation Testing Results within **Quality Center** projects.
* Designed Test Cases report validation in Quality Center for UAT testing with end customers.
* Worked in Quality Center for planning, running and tracking defects while attending walkthroughs with the client and the development team and Defect reporting meetings periodically.
* Responsible for execution of regression scripts on each Service pack release and updated results in QC. Entered and managed defects in Quality Center.
* Performed build acceptance testing and smoke testing using **Cucumber** automation tool.
* Created **SQL** Validation scripts for backend validation using **PL/SQL**.
* Implement cross-browser and cross-platform web testing with Selenium RC and Web Driver.
* Strong background in coding for automation, without reliance on record and playback scripting.
* Prepared test Scripts for conducting User Acceptance Testing (UAT) Designed and developed automated scripts for functional, regression, integration testing using Selenium.
* Executed the manual test cases for various testing like GUI, Functionality, System, for Web applications and recorded the results.
* Used **SOAP/REST** services using **SOAP UI, Groovy Script** to test the services.
* Performed Manual Testing of the application, creating test plans, test cases and documentation.
* Executed the test cases for the manual testing and tracked all the bugs discovered during manual testing to closure.
* Worked on testing status, reporting to the higher management and retesting the fixes.
* Participated in daily stand-ups and project meeting to keep track of project priority and status.

**Environment:** Selenium Web Driver, Quality Center, Soap UI, SQL, Cucumber, Eclipse, JIRA, Oracle, Java.

**State Farm, NJ Oct 2015-Aug 2017**

**QA Automation Engineer**

**Responsibilities:**

* Created Test plans, Test scenarios, Test cases and test execution.
* Involved in the development of system testing strategies, plans, cases and conditions to ensure processes and products meet standards.
* Prepared Test Plan, Test Cases, Test scripts and Test data for the application as well as for the database verification based on the functional requirements and test specs.
* Built Keyword driven framework from the scratch and automated test cases.
* Developed reusable libraries for the framework and added Logs and reports.
* Project is developed using waterfall methodology.
* Setup testing environment and maintain framework using **Java**.
* Developed QA processes automation test scripts using **Selenium** to test Web based user interfaces for different types of browsers. Validated the data from Front End to Back End tables in **Oracle Database**.
* Configured **Selenium WebDriver**, **Maven** tool and created selenium automation scripts in Java using **TestNG** framework and page object model (POM).
* Played a key role in setting up a test environment and test data.
* Participated in the System Test Plan reviews, Test Scenarios, Test Cases Review and modified the documents with respect to the review comments.
* Involved in Back-end testing by writing **SQL** queries and testing triggers and PL/SQL procedures.
* Responsible creating Test Plan, Test Cases and Test Cards based on use cases in business requirements to cover both functional and non-functional requirements.
* Created Test cases using Element locators and **Selenium WebDriver** (Java) methods.
* Involved in manual testing of various test cases with respective test scripts on Selenium and generate analysis report with **Quality Center**.
* Created test scripts using **Groovy script** to automate web services in **SOAP UI.**
* Developed Automation Test Scripts with extensive parameterizations using multiple actions to categorize tests.
* Coordinating testing efforts between all the technical teams involved, setting up most comprehensive test dataset under different testing environments.
* Involved in designing and development of Page Object Model Test Automation Framework using **Selenium WebDriver.**

**Environment**: Selenium Web Driver, Quality Center, Soap UI, SQL, Cucumber, Eclipse, JIRA, Windows 7/Vista/XP, Oracle, Java, UNIX, Firebug.

**Syntel, Chennai, India April 2014-Aug2015**

**Automation Test Engineer**

**Responsibilities:**

* Worked in waterfall methodology to check the overall functionality of the software.
* Understanding the Business requirements, Application and function specifications, Design documents.
* Involved in writing and designing templates for the **Test Plans**and**Test cases**.
* Created Test Scenarios and reviewed **Test Cases**.
* Verified and Validated the **Automated Test scripts**.
* Performed Data Driven test using test data from Excel files and created different checkpoints.
* 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 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.
* Involved in backed testing.
* Involved in Managerial Meetings and attended various conference calls at different levels from QA, Developers and Clients.

**Environment:** Waterfall Methodology, Selenium WebDriver, Java, HP Quality Center, MS Excel, Oracle, Unix.

**HDFC standard Life Insurance, India. June 2012-March2014**

**QA Analyst**

**Responsibilities:**

* Understanding the Business requirements, Application and function specifications, Design documents.
* Involved designing and developing of templates for the Test Plans and Test cases. 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, Regression, **Ad-hoc** and **Smoke Testing**
* Prepared various reports based on different stages of Testing.
* Worked with developers to communicate regarding issues in the application.
* Coordinated the testing effort towards End-to-End testing to verify the proper functioning.
* Developed test scripts to Performed Integration testing, System testing, Regression testing, User Acceptance testing (**UAT**) and Back End testing of an application.
* Involved in developing detailed test plan, test cases and test scripts for Functional and Regression Testing.
* Created Test input requirements and prepared the test data for data driven testing.
* Data validation and Database integrity testing done by executing **SQL** queries.
* Performed quality assurance reviews on all System Development Life Cycle phases.
* Follow up with Development team on defect resolution.
* Updating daily status to Release Manager which includes issues, action items, defect status etc.

**Environment:** Windows XP, Manual Testing, Microsoft Office Excel, QC, Junit, Waterfall.