**Lekshmi**

**Automation Engineer**

[**lekshmii5585@gmail.com**](mailto:lekshmii5585@gmail.com)**/872-239-8499**

**Professional Summary:**

* Over 5 years of experience in Information Technology, with specializing in Software Quality Assurance Testing, proficient in testing on Client-Server and Web-based applications
* Extensive working experience on all phases of Software Development Life Cycle (SDLC), its methodologies such as Agile, SCRUM and Waterfall Model.
* Expert in Testing Life Cycle (TLC): Including Planning Process, Test Design, Performing Test, Defect Tracking, Management and Test Reporting.
* Experienced in maintaining the Requirements Traceability Matrix (RTM) and verifying forward and backward traceability between Requirements and Test cases.
* Expertise in understanding Business Requirement Specifications, Functional Specifications and Design documentations and converting them into comprehensive Test Scenarios with Test Strategies and Test plans.
* Well versed with various testing stages, levels, phases, testing types, testing techniques and quality work products.
* Well versed in designing and implementing automation scripts using Selenium Web Driver, JUnit and TestNG.
* Experience in building different automation frameworks such as Data driven, Page Object Model, BDD.
* Strong hands on experience in designing Hybrid framework which is combination of Key word driven development and Data driven development.
* Work experience in integrating Automation scripts (Selenium WebDriver API) on Continuous Integration tools Jenkins for nightly batch run of the Script.
* Experience in development of Data driven, Keyword driven and Hybrid Automation frameworks in Selenium.
* Good working experience on SOAP UI for testing and validating various web services used in the application.
* Extensive experience in reviewing and analyzing Business Requirements and creating Test Plans, Test Cases, Test Scripts, Test Estimation & Requirement Traceability Matrix.
* Professional expertise in Smoke Testing, Backed end Testing, Black-Box Testing, User Acceptance Testing (UAT), Functional Testing, Positive/ Negative Testing, System Testing, Regression Testing, GUI Software Testing, Ad-hoc Testing, Cross Browser/ Cross Platform Testing, UI Validation, Web Services, Boundary Value Testing.
* Experienced in testing client server and web-based applications using HP tools like Quick Test Professional (QTP), Unified functional Testing(UFT), Quality center (QC), and Application lifecycle Management(ALM).
* Experience in performance of Build Validation and Verification, Boundary Values Analysis, Equivalent Classes partitioning, Smoke (Sanity), Functional, Integration, System, Regression, Ad-hoc (Exploratory), Cross–Browser, User Interface and User Acceptance tests (UAT).
* Good exposure in preparing weekly status reports to keep track of project deliverables, attend and follow up items discussed in stand up and scrum meetings.
* Ability to quickly adapt to different project environments, work in teams and accomplish difficult tasks independently within time frame.
* Hands-on Experience in cross browser testing using Selenium WebDriver in Java and TestNG framework.
* Extensive experience in writing SQL and PL/SQL scripts to validate database systems for backend database testing.
* Experience in defining Testing Methodologies, Designing Test Plans and Test Cases, Verifying and Validating Web based and Client/Server applications.
* Knowledge in source version control tools such as Subversion (SVN) and Git.
* Responsible for analyzing Requirement Documents and Design specifications for the stories
* Expertise in Manual, Cross-browser, Regression, UAT, exploratory, black box, smoke and functional testing.
* Experience in writing Test Plan, defining Test scenarios and Test Cases, developing and maintaining test scripts, analyzing bugs, interacting with QA and Development teams to track and close bugs.
* Excellent interpersonal, verbal and written communication skills with the ability to collaborate and interact confidently with multifunctional teams that include programmers, project management, Systems Analysts, Business Process Engineers, and staff at all levels.

**Technical Skills:**

|  |  |
| --- | --- |
| Test Approaches | Waterfall, Agile/Scrum, SDLC, STLC, Bug life Cycle |
| Testing components and Frameworks | Selenium WebDriver, Selenium Grid, TestNG, Cucumber, Page Object Model, Keyword Driven, Data Driven, Hybrid. |
| Testing Tools | Quality Center, HP QTP |
| Development Methodologies | Agile/ Scrum, Waterfall |
| Database/Database Tools | SQL, SQL Server, Oracle, MySQL |
| Browsers | Mozilla Firefox, Internet Explorer, Safari, Google Chrome |
| Operating Systems | Windows XP, UNIX, LINUX |
| Utilities | Eclipse, MS Project, Outlook, Excel, PowerPoint, MS Access, Word |

**Professional Experience:**

**Envysion, Inc., Superior, CO Jan 2019 to Present**

**Automation Engineer**

* Writing and executing test cases to validate whether the functionalities match the requirements specified.
* Performing Manual and database testing to test bank customer on-board application.
* Performed functional tests using Selenium WebDriver with data driven framework and generated Extent report for test cases execution summary.
* Creating Selenium web-driver automation using Java for various functional flows in web-interface.
* Performing Data driven testing using Selenium WebDriver, TestNG functions that reads data from scripts using XML files.
* Executed of automated Test Scripts through Maven and used maven for building the WebDriver project.
* Conducting Sanity, Integration, and System Testing of the application.
* Writing the test plans, test cases, and test scripts.
* Acquiring Requirements from the Business Analysts, and Development teams.
* Converting Business Requirements and Design Documentation into Test Cases and Test Scripts.
* Developing test cases for various testing approaches.
* Organizing the test environment for various kinds of tests.
* Working on SQL queries, worked on nested queries, extensive use of backend queries.
* Conducting backend testing using Toad and SQL Queries.
* Conducting Regression testing after every new build and version.
* Performing Front End testing and back end.
* Participating in weekly planning meetings to develop enhancements and deliver information in timely manner.
* Conducting Negative and Positive testing.
* Working with the users, development team and product testers for User Acceptance Testing and accordingly sharing data.
* Ensuring that all Entrance and Exit criteria were properly met.
* Working with Confluence for document storage.
* Performing Gap Analysis while maintaining Test Matrix and Traceability matrix.
* Performing different types of testing like Integration, System and Performance Testing.
* Interacting with the team members on the daily basis, Communicated testing status.
* Managing the testing process in Service Now application as well as updating and closing defects.
* Compiling all test scripts and enter tests into Service Now.
* Participating in SOAP based web services testing using SOAPUI web services testing tool.
* Participating in breaking down the User Story into Tasks and assigning.
* Using HP ALM to store Test Plans, Test Cases, and Test Scripts and for bug tracking as well as to record documenting information useful in debugging process, evaluating test data.
* Participating in daily meetings and weekly meetings for reviewing progress and addressing issues and concerns.

**Environment**: Selenium (WebDriver, RC, Grid), SOAP UI, JMeter, Web Services, QTP, HP ALM, MS Office, SQL

**Flairsoft, Columbus, OH Sep 2016 to Dec 2018**

**Automation Engineer and Manual Tester**

* Analyzed Business and System Requirements and interacted with stakeholders and developers.
* Responsible for writing and maintain Selenium WebDriver scripts for regression and functional testing using data driven framework.
* Created Java based scripts for Selenium WebDriver with TestNG as automation frame work.
* Analyzed test cases to identifying the scenarios that can be automated using Selenium WebDriver with Java.
* Designed, developed and implemented POM based automation testing framework utilizing Java, TestNG and Selenium WebDriver.
* Created test plan, test scenarios, test scripts and test cases, corresponding to the test requirements in order to maximize verification coverage of system variables.
* Tested different modules and their functionality before and after bugs fixing which included various test run on PC and host side to test system integrity and compatibility between modules (integration Test)
* Performed regression testing and performance testing during the test life cycle transaction testing.
* Executed extensive SQL statements to verify the data in the database tables.
* Prepared the RTM (Requirement Traceability Matrix) document which maps all requirements with appropriate baseline test cases.
* Performed Communicated defects encountered during regression test and followed-up with developers until all issues were resolved.
* Performed all phases of end-to-end testing which includes Smoke testing, Functionality testing, Regression Testing, UI testing, GUI testing, negative testing, system testing, System Integration testing, White Box Testing, Black box testing.
* Managed Defect Tracking process, which included prioritizing bugs, assigning bugs and verifying "bug-fixes" using Quality center (QC).
* Participated in design enhancement reviews and submitted status reports on progress of testing effort.

**Environment:** Manual Testing, Selenium, Test analysis, Test planning, Test cases Writing, SQL, WSDL, Oracle, HP ALM, SQL Developer tool, MS Office, Windows 2007, Browser Compatibility Testing.

**Garmin, Lenexa, KS Sep 2015 to Aug 2016**

**Manual Tester**

* Created reports that included a general overview, open bugs, new bugs and enhancement requests. Entered new bugs and maintained the current status of those bugs
* Responsible for maintaining relevant documents with regard to requirements.
* Participated and Organized weekly meetings and walkthroughs to improve the testing efforts.
* Worked closely with engineering team to discuss the design and testing aspects of the applications to design the test plans and to isolate the root cause of defects.
* Participated in meetings and walkthroughs and responsible for weekly status.
* Attended project meetings, release meetings, and QA status meetings.
* Performed all aspects of verification, validation including Functional testing, Unit Testing, System testing, Regression testing, structural testing, Performance, load and Back-End testing manually.
* Prepared test plans, test cases and test scripts based on functional specifications/ requirements and performed Manual as well as automated testing.
* Conducted Functionality and GUI (Java Web Interface) testing manually and recorded scripts for Load Runner.
* Conducted Data Base and Regression testing using Win Runner.
* Handled Black Box and Grey Box Testing of the modules in the project.
* Conducted Back-end testing using Oracle9i and prepared reports by developing and executing SQL queries.
* Developed Positive & Negative scenarios for the requirements.
* Developed test plan, test cases and test scripts in Test Director, after the requirements are signed off.
* Reviewed and Analyzed business requirement documents, technical requirements and functional specification of various functionalities
* Created detailed test plan and test cases from the Business Requirements.
* Created documents detailing the process for each of test scripts and scenarios each script performs.
* Performed Regression testing for the various modules of the application.
* Tested each application against the QA Test Plan and communicated findings with the team.
* Supported UAT with users along with providing training to end-users.
* Implemented whole life cycle of QA methodology starting from planning, capturing, creating, tracking the defects using Internal defect tracking.
* Gathered the business requirements and discussed with BA to generate Test Plan and Test strategy.
* Performed Manual Testing to check flow of the application.
* Drafted the Test data and test cases with respect to business requirements.
* Maintained the Test requirements, Test cases by using Quality Center.
* Identified and documented defects to ensure application software functionality for present future builds.
* Executed and reported the defects in Quality Center.
* Revised all requirements use cases, wireframes, BRD (Business Requirement Document) to involve in writing test strategy and test cases.
* Participated in peer review. (Test design and defect reporting)  Documented test cases in excel sheet document.
* Worked on Requirement traceability matrix preparation.
* Used HP Quality Centre for executing test cases, defect logging, tracking and bug resolution.
* Handled various management activities by analyzing and verifying test results, providing status reports.
* Debugged and fixed existing Test Scripts failing in the Pipeline.
* Worked in Agile development environment and participated in the Test Plan and Test Strategy creation.

**Environment:** LoadRunner, TestDirector, Performance Centre, Quality Centre, SQL, Eclipse, HTML, XML, Windows, Log4J, Firebug, JIRA, Git, Apache POI

**Education:**

Bachelors of Electrical and Electronics Engineering