**Lakshmi Sahithi**

**Senior QA Test Engineer**

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**Experienced Senior QA Test Engineer with over 9 years of experience** in all phases of Software Testing Life Cycle (STLC), Developing Test Cases, Test Plan and Automation test scripts using Cucumber, and **Selenium**. Experienced in Automation using Hybrid framework, Manual testing and Business Analysis, serving various domains such as **Healthcare, Banking, E-Commerce**.

**Certifications:**

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**Java Sun Certified ISTQB Certified**

**Professional Summary:**

* Strong knowledge in entire **Software Development Life Cycle (SDLC)** and **Test Development Life Cycle(TDLC) in Agile** along with **Iterative** development environment.
* Strong Knowledge in **Java** **OOPS** (Object Oriented Programming System) concepts, **Exceptional Handling**, **Collection Framework**, Conditional and Looping statements.
* Expertise in Grouping of Test cases, Test Methods and Test Suites for functional testing and regression testing using the **TestNG** annotations like Groups, Parameter, Data Provider.
* Expertise in preparing Feature files, Scenarios, Step Definition for **BDD framework** using **Cucumber**.
* Experienced using the Accessing Forms, Keyboard Events, Mouse Events, links, Uploading File, tablesusing Selenium **WebDriver**.
* Designed and Implemented different automation frameworks like Keyword Drive Framework, Data DrivenFrameworkand Hybrid Framework for a number of projects.
* Experienced with Cross-BrowserandCompatibility Testing to test whether the web applications are working as desired in different browsers and environment using TestNG.
* Experienced in running test scripts using **Selenium Grid**, by making use of **DesiredCapabilities** and the Remote WebDriver objects.
* Performed **API Testing** to test RESTful and SOAPUI web servicesusing Java and **JSON API**.
* Experienced in using **Selenium WebDriver**, TestNG to run parallel testing by creating groups and categorizing test cases, Tests.
* Well versed with writing test cases using Element locators, WebDriver methods, java programming features.
* Knowledge in implementing SOAPUI Assertions, Properties Transfers for automating web services and API testing.
* Performed web services test Automation using **GROOVY Script**.
* Experienced in **Web Services** testing using **SOAPUI** tool. Validated request and response XML SOAP and **RESTful** **Web Service** calls.
* Experienced in using **Maven** to define project structure, dependencies, build and test management.
* Extensively used **Selenium APIs** such as Take Screenshot for Capturing Failed test cases, **Action** for various key and mouse events, using different **Locators** (XPath, CSS, ID, Link text).
* Developed Test Scripts to implement Test Cases, Test Scenarios and features for BDD (Behavior Driven Development), ATDD (Acceptance Test Driven Development) using Cucumber features, step Definition and Scenarios.
* Experienced in using **Apache POI** to read data sets from spread sheets and configure the data sets.
* Experienced in Database Testing using SQL Queries with multiple **Databases SQL Server, Oracle** and **My SQL**.
* Experienced in using Test Management tools such as **Jira, Rally, Test Director/HP Quality Center** to track test progress, execution and deliverables.
* Extensively involved in different types of testing like **Automation testing, Manual testing, Integration testing,** System testing, Smoke testing, Regression testing, **Junit** Testing, Black box testing, Functional Testing, Database Testing, GUI testing, Web/UI and User Acceptance Testing**.**
* Hands on experience in using build and project management tools like **MAVEN** and configuration management tools like **GIT** and **SVN**.
* Test case execution progress is logged using **log4j**.
* Dynamic and assertive team player with a strong inclination to improve and optimize process development and implementation.

**Technical Skills:**

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| **Test Approaches** | SDLC, STLC, Agile/Scrum, Waterfall, Bug Life Cycle |
| **Testing Tools** | Selenium WebDriver, TestNG, Selenium IDE, Selenium RC, Selenium Grid, JUnit, Cucumber, SoapUI, log4j, QTP, ALM, Gherkin. |
| **Test Build& Integration Tools** | Maven, Jenkins, ANT, GITHUB, Tortoise SVN, Hudson, Firebug, Fire Path |
| **Frameworks** | Keyword Driven, Data Driven, Hybrid, Page Object Model |
| **Programming Tools** | JAVA, C, C++, Gherkin |
| **Databases** | MySQL, Oracle, SQL Server, SQL |
| **Markup Languages** | HTML, XML, XPath, CSS Selector |
| **Defect Tools** | HP Quality Center, JIRA, Rally |
| **Browsers** | Internet Explorer, Mozilla Firefox, Google Chrome, Safari |
| **Operating Systems** | Windows 7/8, UNIX, LINUX |
| **MS Office Tools and other tools** | Eclipse IDE, MS Outlook, PowerPoint, Word, Excel, Microsoft Project, MS Access |

**Professional Experience:**

1. **Project Profile:**

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| **Client** | **Next Level Health** |
| **Location** | **Harrison St, Chicago** |
| **Duration** | **Sep 2015 –Till date** |
| **Role** | **Senior QA Test Engineer** |

**Project Description:**

Next Level Health is web based application which is an enterprise payer platform, built using state-of-the-art technology that provides customers with administrative efficiency and automation, business-driven flexibility. It is more reliable, robust and user friendly in nature. It is designed to operate in a modular fashion, with each of its components working independently or as an integrated whole to achieve exceptional business results. There are many sub systems like billing, claims processing and so on based on the insured person enrollment and the benefits he is subjected to at the time of enrolling.

**Roles/Responsibilities:**

* Assessed & analyzed user stories and participated in **Sprint planning, Review Sessions & Scrum Meetings** and developed Test scenarios, Test cases, Test data, Test procedures, Test reports**.**
* Developed and Executed Test Scripts using **Selenium WebDriver, TestNG, analyzed Test Results**.
* Involved in preparing test cases to validate all UI components, Popups, Browser navigations, **Mouse Movements**.
* Implemented **TestNG** automation framework for **Smoke Test** to ascertain that the crucial functions of the application work and also implemented **Regression Test** to make sure that the existing functionality is not broken.
* Performed **Functional testing** as per user stories and also performed **Integration Testing** & **System Testing** using Selenium WebDriver automation scripts.
* Performed **Parallel and Cross Browser testing** on different browsers like Internet Explorer, Chrome, Safari and Firefox where multiple tests were run at the same time using Selenium.
* Designed and Developed test automation **Artifacts** (scripts, functions, scenarios, processes) for simple to complex automated testing situations using BDD Framework Selenium and Jenkins.
* **Data Driven Framework** and extracted data from external Excel files.
* Configured the **Test Cases** to receive input **Test Data Sets** for the corresponding test cases.
* Managed individual sprints user stories and tasks using **Jira** as a tracking tool.
* Used **FireBug, FirePath** to debug, edit and locate the objects based on ID, Name, XPath, CssSelector, Link, Partial Link Attributes and Tags
* Performed **BDD (Behavior Driven Development)** using **Cucumbe**r Features, Scenarios and Step Definitions in **Gherkins format**.
* Managed the **framework dependency jars** using **Maven**.
* Verified the integration of various components in the application and executed end-to-end testing.
* Involved in developing automated **UAT** test cases using **Cucumber.**
* Maintained the Selenium & Java Automation Code and resources in source controls like **GIT, Jenkins** for improvements and new features.
* Developed **Automation framework** implementing **Page Object Model, and Data Driven Test** for certain Test Cases.
* Performed **black box testing, database testing, and web-based testing** on several test phases. Developed components for each transaction used in the test script or scenario by using Selenium.
* Involved in **Web services** testing to validated request and response XML. Added assertions to validate the XML in Web services using **RESTFUL** service.
* Participated in Release Review/Requirement Analysis and Design review meetings.

**Environment:**

Selenium IDE, Cucumber, Selenium WebDriver, Eclipse, Java, Html, XML, Firefox, FirePath, Firebug, SVN, XPath, CSS, Jenkins, Restful, Agile/Scrum, Maven3.2.1, Microsoft Office, SQL, SOAPUI, Gherkin.

1. **Project Profile:**

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| **Client** | **INTotal Health** |
| **Location** | **Falls Church, Virginia** |
| **Duration** | **Nov 2013– Aug 2015** |
| **Role** | **QA Test Engineer** |

**Project Description:**

This project is a suite of products like MAB(Membership and Billing), PD(Product Designer) and PP(Provider Pricing). In addition to these products there are two more sub application which supports these main applications. CCC(Configuration Control Console) and Crosswalk. It is based on specific modules where each module is independent of the other and has specific functionality.

**Roles/Responsibilities:**

* Analyze the Business Requirements and closely work with the Business Team to get the clarifications addressed.
* Reviewed product requirement documents, functional specifications, and involved in developing test strategy, test plan and test case documents.
* Developed and Executed Test Scripts using **Selenium WebDriver, Cucumber** and analyzed **Test Results.**
* Performed **Functional testing** as per user stories and also performed **Integration Testing** &**System Testing** using BDD Cucumber automation scripts.
* Performed **Data driven testing** to validate the components displayed on the website using Selenium
* Performed **Parallel and Cross Browser testing** on different browsers like Internet Explorer, Chrome, Safari and Firefox where multiple tests were run at the same time using **Selenium Grid**.
* Segregated defects based on the hierarchy of the effects on the test scripts using **Log4j.**
* Implemented **TestNG** automation framework for **Smoke Test** to ascertain that the crucial functions of the application work and also implemented **Regression Test** to detect bugs after enhancement and configuration settings of the code.
* Used **Hybrid, Keyword/Data Driven Framework** and extracted data from external Excel files using **Apache POI API**.
* Prepared the data to cover various scenarios and wrote **SQL** scripts to verify the database updates, inserts and deletion of the records.
* Performed defect logging and tracking using **Rally.**
* Designed and Developed test automation **Artifacts** (scripts, functions, scenarios, processes) for simple to complex automated testing situations using various tools like **Selenium.**
* Developed **Automation framework** implementing **Data Driven Test** for certain Test Cases.
* Used **Fire Bug, Fire Path** to debug, edit and locate the objects based on ID, Name, XPath, CSS Selector, Link, Partial Link, Attributes and Tags.
* Managed the **framework dependency jars** using **Maven**.
* Participated in continuous integration using **Jenkins**.
* Customized **Selenium API** to suit in testing environment.
* Involved in **black box testing, database testing, and web-based testing** on several test phases. Developed components for each transaction used in the test script or scenario by using Selenium.
* Involved **in Web services** testing using SOAPUI Tool. Validated request and response XML. Added assertions to validate the XML in Web services **SOAPUI**.
* Participated in Release Review/Requirement Analysis and Design review meetings.
* Used **SVN** as a source repository system to share code within the office as well as with the team in overseas.
* Interacted with the development configuration and operation's team to ensure the quality of software to user expectations.

**Environment:**

SeleniumGrid, WebDriver, TestNG, Selenium API, SQL, Jenkins, Soap UI, log4j, XML, RALLY, Microsoft Office Excel, Cucumber, Eclipse, Maven, TestNG, GitHub, Apache POI API.

1. **Project Profile:**

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| **Client** | **Pulaski Bank** |
| **Location** | **St.Louis, MO** |
| **Duration** | **July 2012 – Oct 2013** |
| **Role** | **QA Test Engineer** |

**Project Description:**

Pulaski Bank project is a secure online application which provides online services to members which includes checking the accounts, credit card, Loans and member financial information. The system contains sign-on, registration, Accounts, Loans, Transfers, and Business Accounts. Features were to assist online customers to locate Pulaski Bank preferred dealers near their location.

**Roles/ Responsibilities:**

* Analyzed the user stories based on detail acceptance criteria for the corresponding **Sprint**.
* Run Defect Triaging and review the Test Plan, Test Scenarios, Test Cases with Project Team.
* Involved in **creating, updating** and **executing** of test cases according to requirements.
* Developed and maintained **automated regression** test cases in **Selenium Web Driver** using Java programming language and **TestNG**.
* Configured **ANT** for **JAVA** automation projects and for project object model (POM).
* Executed **System Test Cases/Scenarios** in **DEV** environment and make sure that user stories are working as expected.
* Developed Hybrid **Keyword/Data Driven Framework** to retrieve test actions, test data from Excel files and Oracle Databases.
* Identified the correct GUI web elements uniquely by using different types by **locators** like Id, Name, Link Text, CSS, DOM, XPath.
* Used **TestNG framework,** covering different types of test designs like a unit test, functional test, end to end test, UI test and integration test.
* Integrated with TestNG to perform **Cross Browser Testing** using **parallel processing, groups** and **annotations.**
* Experienced in Apache POI Jar for reading Excel file using Java IO operations.
* Designed, coded and executed automated tests using **TestNG** and generated tests using **Log4j** in various output target.
* Proven ability in developing BDD scripts with Cucumber andwriting step **definitions** for behavior.
* Built **Test Suite** in **XML** for **functional and regression test.**
* Used **Jira** as a bug tracking, issue tracking and project management software
* Monitored the jobs which could be **SVN** checkout using Jenkins.
* Integrated the test suites to **Jenkins** to execute them automatically after every successful deployment.
* 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.
* Involved in **Web Services** Testing using **SOAPUI.**
* Worked on Capturing **Screenshots** on Failure or Pass to analyze the test failure reason.
* Experience working in Agile/ Scrum methodology for SDLC and working on Test management tools like **Quality center**(**QC**).

**Environment**:

**Selenium WebDriver**, Selenium Grid, Java, Web Services, SOAP, **Quality Center**, AGILE, Jira, HTML, Java Script, CSS, Eclipse, Oracle, Windows, UNIX/LINUX, MS Word

1. **Project Profile:**

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| **Client** | **Key Bank** |
| **Location** | **Cleveland, OH** |
| **Duration** | **Aug 2010 - June 2012** |
| **Role** | **QA Analyst** |

**Project Description:**

Key Bank project caters multiple banking facilities to their customers. Online Banking Management System was a pilot project developed so that customers can get access to their accounts round the clock. The system handles transactions

of four kinds of accounts: savings, fixed deposit, joint account and recurring deposit. The system manages different levels of authorization for administration.

**Roles/ Responsibilities:**

* Understanding the **Business requirements**, **Application** and **function specifications**, **Design documents**.
* Involved in writing and designing templates for the **Test Plans** and **Test cases.**
* Involved in Preparation of Test Scenarios and review, updating executing of Test Cases according to requirements.
* Involved in Unit Testing, Handled issues in System testing and UAT.
* Performed **GUI, Functional, Negative, Positive, Regression, end-end,** **User Acceptance Testing** using **QTP**.
* Extensively worked with SQL, SQL in Oracle database
* Involved in **Bug reporting** and **bug tracking** using **JIRA** and **QC**.
* Involved in **Web Services** Testing using **SOAP UI.**
* Updated **Reports** and **dashboards** to display the status of test coverage including the number of test cases passing, failing or pending.
* Preparing Suggestion Documents to improve the quality of the application.
* Communication with the Test Lead / Test Manager.
* Conducting Review Meetings within the Team.

**Environment: QTP**, Windows XP, **SoapUI**, **Oracle 10g**,GUI, **SQL Server, JIRA,QC.**

1. **Project Profile:**

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| **Client** | **SoftSol India Limited** |
| **Location** | **Hyderabad, INDIA** |
| **Duration** | **Sep 2007 – July 2010** |
| **Role** | **QA Analyst** |

**Project Description:**

This is an application for online-business content service and promoting e-learning, e-training, e-collaboration

over Internet. Its motive is to bring education training online and other domains on a single platform, evaluate

them to collaborate, share the knowledge, resolve the problems and provide instant solution to the client. It

has involved users like student, publisher, trainer and administrator who manages the entire portal site.

**Roles/ Responsibilities:**

* Talk to the business users and analyzed requirement documents.
* Involved in identifying the manual test cases for automation.
* Involved in preparing Test data based on business functions.
* Executing Test Scripts in QC tool for Regression Testing and analyzing the Test results.
* Finding and reporting defect in defect tracking tool **Quality Center** and **Jira.**
* Involved in giving daily and weekly status reports to clients.
* Involving in resolving valid issues and queries.
* Tested 270 and 271 within our application.
* Involved in Functional, Regression testing and GUI testing using QTP.
* Used Quality Center defect tracking tool to report application defects and enhancements request and discussed with developers to resolve technical issues.
* Performed different types of testing like Functionality, system, regression and Retesting.
* Developed Test Scenarios and Test Cases as per the requirement document.

**Environment :**

QTP, QC, SQL Server, HTML, Manual Testing, XML, Windows, MS Excel.