**Lakshmi Sowjanya 925-495-1328**

**Sr QA Automation Consultant Klsowjanya.1985@gmail.com**



**Professional Summary:**

* **Over 10+** years of experience in Software development and testing this includes Automation and Manual testing using Selenium.
* Performed cross browser testing by using **Selenium Grid** on multiple browsers and on different platforms.
* Developed test automation scripts using Selenium WebDriver and Java, Python, or C# to validate web UI elements' functionality, such as text boxes, buttons, links, etc.
* Developed and executed automation test scripts using Java, Selenium, and TestNG framework to ensure the quality and reliability of software applications.
* Developed and implemented automated testing frameworks using ICEDQ for various software applications.
* Proficient in creating and maintaining automation scripts using TestComplete for web and desktop applications
* Developed and executed test plans and test cases for API testing using tools like Postman, SOAPUI, and REST Assured.
* Knowledge of containerization, container orchestration, and deployment strategies in Kubernetes
* Developed and maintained data pipelines using Snowflake's cloud data warehousing platform
* Experience in **Appium** tool, for mobile testing in **Android**and other mobile applications.
* Extensively worked on Datawarehouse and decision support systems with relational databases such as Oracle design and database development using **SQL, PL/SQL, SQL PLUS.**
* Involved in the Continuous Integration of the automation framework with **Jenkins**.
* Excellent working experience of Software Development Life Cycle (**SDLC**), Software Testing Life Cycle (**STLC**) and testing methodologies like Waterfall & Agile/Scrum.
* Developed and implemented automated testing frameworks using Python for various QA processes.
* Developed and maintained automated test scripts using C# and testing frameworks such as NUnit or MSTest.
* Proven track record of delivering high-quality software products on time and within budget through effective QA automation using Playwright.
* Created and managed test plans, test cases, and test data for performance testing using JMeter.
* Proficient in UI automation testing using tools such as Selenium WebDriver, TestComplete, and Appium.
* Worked closely with developers to identify and resolve issues related to testing and integration of Angular code.
* Extensive experience in writing and implementation of complex test plans, design, development, and execution of test scripts for system, integration, user acceptance test (**UAT**) and regression testing.
* Knowledge of command line tools and utilities for debugging issues with test automation.
* Experience in AWS services such as AWS EC2, S3, RDS, DynamoDB, Lambda, and API Gateway for setting up test environments and test data management.
* Strong experience in test automation using PyTest framework.
* Hands-on experience in test driven development (**TDD**), Behavior driven development (**BDD**) and acceptance test driven development (**ATDD**) approaches.
* Developed automated scripts and frameworks using **Java.**
* Experience with build tools like Maven and CI/CD processes using Jenkins.
* Worked on source version control tools such as Subversion (**SVN**), **TFS** and **GIT**.
* Proficient in using **Quality Center, POS, Rally, JIRA, Bugzilla**.
* Designed and implemented an end-to-end QA automation framework using Azure DevOps and Azure Pipelines for continuous integration and delivery
* Experienced in **Web Service/API** testing using **SOAPUI**
* Proficient in Cypress, a JavaScript-based end-to-end testing framework, to create automated tests for web applications.
* Created and executed automated test scripts using ICEDQ to identify and report software defects.
* Experienced in performing Mobile testing by developing and executing test scripts for both **Android** and **iOS** platforms using **Appium**, **JAVA**, **TestNG** and **Maven**.
* Experience in Manual testing and automated testing using different tools like QTP, Selenium (Web Driver) Using **Java**.
* Participated in Agile scrum meetings to provide regular updates on testing progress and address any blockers or challenges.
* Develop and execute high-quality test plans and test cases for Pyspark applications for both batch and streaming processes.
* Created and maintained test scripts and test data for various media features including video playback, audio streaming, image rendering, and user interface validation.

Mentored junior team members in Java development and automation testing best practices.

* Worked as Software Development Engineer in Test (SDET) is responsible for developing and executing comprehensive suites of automation test plans and test cases.
* Expertise in setting up and carrying out browser compatibility testing environments with different browsers and versions of Internet Explorer, Mozilla Firefox, Google chrome on different OS like Windows and Mac.
* Strong experience in **Manual, Automation** and **Performance Testing** of client Server and Web Based Applications.
* Conducted failure analysis of products to identify root cause of failures
* Wrote test scripts in Python to perform functional, regression, and acceptance testing.
* Proven skills in **SQL**, **RDBMS** and **UNIX** variants, **Windows/UNIX** Commands, Scripts and testing on **Windows/UNIX** platforms.
* Worked extensively with **Load Runner.**
* Implement and maintain automation test frameworks using Pytest and Selenium, ensuring efficient and repeatable test execution.
* BDD frameworks are used to automate the testing of software using Gherkin syntax. They allow developers to write tests in a natural l**angular**age that can be understood by all stakeholders in the project.
* Utilized Cypress commands, assertions, and hooks to perform UI interactions, data validations, and handling asynchronous behavior.
* Experience of testing web, mobile applications and **APIs** in **Agile** process.
* Extensive experience in using Selenium WebDriver API for writing Junit and NUnit test suites and test cases for testing functionality with the Selenium Server.
* Experience using Manual testing to troubleshoot systems integration, **GUI**, Compatibility, User Acceptance Testing (**UAT**), **SOA**Testing using web services, functionality, Database and regression testing.

**Technical Skills:**

| **Testing Methodologies** | Manual and Automated Testing, User Acceptance Testing, White/Black box testing, Regression Testing, UI automation, End-to-End/Integration Testing. |
| --- | --- |
| **Testing Tools** | Selenium WebDriver/IDE/GRID/RC, SOAPUI, Eclipse, Angular, Cucumber, JMeter, Firebug, |
| **Frameworks** | TestNG, Page Object Model, Data Driven, ICEDQ, Hybrid Testing, TDD, BDD, JUnit |
| **Defect Tracking Tools** | JIRA, HP Quality Center |
| **IDE** | Jenkins, Maven |
| **Programming Languages** | C, Java, Azure |
| **Scripting Languages** | Java Script |
| **Markup Languages** | HTML, CSS |
| **Databases** | MySQL, SQL Server, DB2 |
| **Operating System** | Windows [..], Linux |
| **MS Office Tools** | Word, PowerPoint, Excel, Outlook |

**Project Experience:**

| **Client** | Sikich (Chicago) |
| --- | --- |
| **Duration** | Sep 2021 - Till Now |
| **Role** | Sr QA Automation Consultant |

**Responsibilities:**

* Involved in analyzing Business Requirement Documents and Technical Specification documents and developed test plans and test cases for testing the application. Automated highly transactional web application using Selenium WebDriver.
* Created Test Suite for multiple OPR States and performed regression testing among the DB2 database.
* Proficient in TestCafe assertions, selectors, actions, and overall test suite configuration.
* Experience in API testing using Playwright and other testing tools to ensure the functionality and performance of backend services.
* Gherkin and BDD frameworks are widely used in Agile software development methodologies as they help to promote collaboration, communication, and continuous testing.
* Stay up-to-date with industry trends and advancements in AV technology
* Familiarity with ETL testing frameworks like PySpark, JUnit, and TestNG for automated testing.
* Created & Maintained Automation Selenium Automation Scripts for the Scrum Stories.
* Developed QA processes automation test scripts using selenium to test Web based user interfaces for different types of browsers.
* Implemented test frameworks and utilities for efficient and scalable test automation using C# libraries and tools.
* Implemented and managed automated test frameworks using TestComplete, enhancing test efficiency and coverage
* Utilized AWS Elastic Beanstalk to deploy and manage web applications, which helped in continuous delivery, production testing, and monitoring.
* Worked with development teams to perform root cause analysis and find solutions for automation issues.
* Experience in developing and maintaining CI/CD pipelines for Kubernetes applications
* Proficient in using test automation tools such as Selenium WebDriver, Appium, and PyTest.
* Conduct performance testing and load testing to identify and resolve bottlenecks in the Pyspark applications.
* Conducted end-to-end testing of mobile apps, including functional flows, integrations with backend systems, and API testing.
* Developed and maintained a robust Cypress test suite to validate the functionality, performance, and usability of web applications.
* Conducted API performance testing using tools like JMeter to assess response time, throughput, and latency.
* Implemented continuous integration and continuous delivery (CI/CD) pipelines, integrating UI automation tests into the development process.
* Performed API testing using ICEDQ to ensure the functionality and accuracy of data integration.
* Execution of automated Test Scripts through Maven.
* Leveraged Python libraries, such as Selenium, to automate web application testing and create test reports.
* Utilized Selenium Grid for running UI automation tests on multiple browsers and platforms simultaneously, improving test coverage and reducing execution time.
* Collaborated with cross-functional teams to analyze failure trends and develop corrective actions
* Used JIRA as a defect tracking tool and involved configuring various workflows, customizations, and plugins in JIRA.
* Demonstrated ability to design and execute test scenarios for AV systems
* Proficient in testing web applications across different browsers and platforms using Playwright's multi-browser capabilities
* Developed mock services and stubbing responses using Angular's HttpClient to isolate dependencies and improve test coverage.
* Integrated media testing into continuous integration and delivery workflows to ensure timely testing and feedback.
* Provided recommendations to improve the API testing process, including test environment setup, test data management, or test automation frameworks.
* Stayed up to date with Java programming and testing frameworks to continuously improve automation strategies.
* Proficient in identifying and resolving script execution errors and finding suitable workarounds.
* Used Maven for building the WebDriver project.
* Tested web services using Postman/Advanced REST Client.
* Knowledge of Kubernetes networking concepts and protocols such as Service Mesh, Istio, and Calico
* Conducted unit testing using C# frameworks, ensuring proper code coverage and identifying potential defects.
* Hands on Experience in DevOps strategies by developing scripts & automation tools used in the areas of Designing, Developing, and Managing, Continuous Integration, Continuous Delivery, Continuous Deployment and Continuous Monitoring of Enterprise level distributed applications in multiple environments.
* Worked with AWS CodePipeline and CodeBuild for CI/CD pipelines using Python-based automation tools and AWS APIs for automation scripts.
* Integrated with Continuous Integration tools Jenkins for running tests on a regular basis automatically.
* Experienced in automating different types of tests such as functional, smoke, regression, and integration tests using TestCafe.
* Also, responsible for converting automation scripts using one framework using Selenium WebDriver, Java, and TestNG/Junit.
* Experience in Appium for mobile automation testing for both Android and iOS devices, including UI testing, functional testing, and performance testing on real devices.
* Execution of Manual test cases and responsible to track and log the defects using Quality Center.
* Assisted Manager by providing automation strategies, Selenium/Cucumber Automation and JIRA reports.
* Prepared detailed failure analysis reports summarizing findings and recommendations for product improvement
* Gherkin is designed to be easily readable and understandable by both technical and non-technical stakeholders. It focuses on capturing the intended behavior of the software in a clear and concise manner.
* Created and executed SOAP UI Scripts for the Web Services testing.
* Developed and maintained UAT test data to ensure accurate and realistic testing scenarios.
* Mentored junior testers or team members in API testing methodologies, tools, and techniques.
* Executed Test cases for both manual and automation to verify actual results against expected results.
* Experience in using Jenkins as a Continuous Integration server to configure with GitHub and Maven.
* Experienced in load and performance testing tool JMeter.
* Integrated TestComplete scripts into CI/CD pipeline, enabling continuous testing and ensuring early defect detection
* Developed BDD tests using Cucumber by writing behaviors and step definitions. Developed required Selenium support code in JAVA for Cucumber.
* Gherkin scenarios can also be used as a communication tool between developers and business stakeholders.
* Performed server migrations with team on Linux/Unix & Windows servers includes moving all clients and their data, configuration settings, testing and verifying everything is correct with zero downtime.
* Implemented AWS Identity and Access Management (IAM) policies to manage and control access to the AWS resources for the QA team.
* Experience troubleshooting CI/CD pipelines to ensure automation tests run smoothly.
* Conducted regression testing using ICEDQ to verify the stability and performance of software applications.
* Developed and executed test automation scripts for web services using REST-assured and SOAP UI.
* Develop automated tests using Selenium.
* Collaborated with developers to analyze and troubleshoot performance issues using JMeter test results.
* Extensive experience in mobile automation testing with Appium, including test script development and execution, test case creation, and bug reporting.
* Implemented data-driven testing using PyTest parametrize to execute test cases with multiple data sets.
* Conducted UAT defect triage meetings to prioritize and track the resolution of defects.
* Exceptional problem-solving skills to troubleshoot issues with ETL processes and identify root causes of errors.
* Created profiles in maven to launch specific TestNG suite from Jenkins’ job.
* Worked in Agile - Behavior Driven Development (BDD) model.
* Good knowledge on Object Oriented Programming (OOP) concept. Extensively used Java for test case automation.
* Experience in designing and implementing automated testing frameworks using Playwright, JavaScript, and TypeScript.
* Knowledge of regulatory requirements and safety standards for AV testing

**Environment:** Java, Soap UI, Gherkin, Cucumber, Postman, ETL, UI Automation, Maven 3.1.1, Eclipse, Python, GIT, PyTest, ICEDQ, Angular, TestCafe, JIRA, UAT, Pyspark, Playwright, Jmeter, Appium, Kubernetes, Mongo DB, DB2, Cypress, Gerkin,Jenkins, TestComplete, AWS, C#, TestNG, Junit, Agile (SCRUM).

| **Client** | National General Insurance - California, USA |
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| **Duration** | Apr 2019 - Aug 2021 |
| **Role** | QA Automation Tester |

**Responsibilities:**

* Involved in analyzing Business Requirement Documents and Technical Specification documents and developed test plans and test cases for testing the application. Automated highly transactional web application using Selenium WebDriver.
* Expertise in creating customized TestCafe test reports and logs using TestCafe Reporter.
* Active participant of QA reviews and inspections to find potential defects and recommend corrective action.
* Maintained and updated automated test suites built with ICEDQ to ensure efficient and effective testing.
* Performed UI testing on various builds.
* Mentored and trained team members on TestComplete automation and best practices
* Designed and executed load and stress testing on Angular applications using tools like JMeter or LoadRunner.
* Created custom commands and utilities in Cypress to perform common actions and assertions, improving test efficiency.
* Utilized Python for load and performance testing of web applications to identify bottlenecks and performance issues.
* Conducted performance testing using PyTest-benchmark, identifying bottlenecks and optimizing system performance.
* In-depth knowledge of Appium architecture and its components, including Appium server, Appium client, and Appium Inspector.
* Conduct performance testing and load testing to identify and resolve bottlenecks in the Pyspark applications.
* Kept up-to-date with the latest industry trends and best practices in API testing, including continuous integration/continuous deployment (CI/CD) concepts.
* Utilized statistical analysis and data interpretation techniques to identify patterns and trends in failure data
* Conducted manual testing on various iOS and mobile devices to ensure compatibility, functionality, and performance of the application.
* Experience in working on projects that utilize continuous integration and continuous delivery using TestCafe and other CI/CD tools.
* Collaborated with cross-functional teams to define and implement Azure resources for test environments, such as Azure Virtual Machines and Azure SQL databases.
* Implemented test data management strategies, ensuring test data availability and integrity for UI automation tests.
* Used TestComplete's built-in reporting feature to generate comprehensive test reports and facilitate defect tracking and resolution
* Strong understanding of Kubernetes security practices and implementing security tests in test automation framework
* Performed Cross- Browser and Cross –Platform testing to verify the application consistency on various builds in different web browsers and in different operating systems.
* Performed **Selenium Synchronization** using Explicit & Implicit waits.
* Familiarity with defect tracking tools such as JIRA or Bugzilla.
* Dealt with Accessing Links & Tables using **Selenium WebDriver** and **Java** collections framework.
* Created test reports generated out of **TestNG** and captured the error screenshots.
* Worked on Capturing Screenshots on Failure or Pass to analyze the test failure reason. Coordinated with the application team to ensure resolution of all issues and completion of work on time.
* Relevant certifications, such as Appium Certified Professional (ACP), Agile or Scrum certifications, or any other relevant mobile testing certifications.
* Integrated PyTest with continuous integration tools like Jenkins or CircleCI to enable automated test execution in CI/CD pipelines.
* Collaborated with the development team to integrate UI automation testing into their Continuous Integration and Continuous Deployment (CI/CD) pipeline, enhancing the software delivery process's quality.
* Implemented Continuous Integration and Continuous Deployment (CI/CD) pipelines for Angular applications using tools like Jenkins or TeamCity.
* Stayed up-to-date with media industry trends and technologies to provide insights and recommendations for improving media testing strategies.
* Conducted system integration testing, including API testing and database testing, to ensure end-to-end functionality.
* Collaborated with backend and database teams to validate data integrity and consistency during API testing.
* Integrated third-party testing tools and frameworks with Python-based test automation scripts.
* Schedule and prioritize work and plan a sequence of testing activities that accomplish the planned targets. Set priorities and provide reports to the management.
* Utilized Azure Monitor and Application Insights to monitor and track the performance and availability of automated tests and report on test results
* Developed and maintained test automation scripts using AWS S3 for storing test data and test results, which reduced the effort to manage the data and results.
* Performed regression testing on various builds for UI and Functional Validations.
* Worked on **REST** and **API Testing** for the various XML attributes for different kinds of report generation.
* Developed modular & robust automation framework using **Selenium WebDriver, Cucumber, TestNG and Java.**
* Implement **BDD** (Behavior Driven Development) Testing with **Cucumber** and **Selenium WebDriver** to ensure the code reusability and code maintainability and cut down the script development time in half.
* Used **Java** language and **TestNG** framework for scripting. Used **Maven** for building the WebDriver project. Integrated with Continuous Integration tools **Jenkins** for running tests on a nightly basis automatically.
* Worked closely with UX/UI designers to ensure adherence to design standards and guidelines during UI automation testing.
* Implemented Automated execution of tests (nightly and need based) using **Maven and Jenkins.**
* Developed manual and automated test cases to validate **RESTful API** web service.
* Involved in API and Web Services Testing using Rest API.
* Developed a reusable function using **TestNG** for the Test Automation.
* Managed and prioritized multiple failure analysis projects in a fast-paced environment
* Developed comprehensive test plans and test cases based on functional and non-functional requirements for iOS and mobile applications.
* Created automation test scripts using **Selenium WebDriver** and **Java** and involved in resolving existing test script issues in Selenium WebDriver.
* Conducted performance testing using tools like JMeter or Gatling to identify and address performance bottlenecks in C# applications.
* Used **Firebug** **for** the web-based application testing with selenium for the commands and locator application.
* Implemented Azure DevTest Labs to provision and manage test environments, including VMs and containers, to enable parallel and distributed test execution.
* Implemented and maintained media automation frameworks to improve test efficiency and coverage.
* Executed tests and participated actively in system testing and regression testing.
* Worked with the **SQL** statements to extract data from SQL tables and verify the output data of the reports on the browser page.
* Mentored and trained junior UAT testers on testing techniques, tools, and processes.
* Identified and resolved issues encountered during automated testing using ICEDQ to support software quality assurance efforts.
* Contributed to components of the test automation framework, including the design, development, delivery and maintenance.
* Performed manual testing using different black box testing methods like ad-hoc, functional, UI, system, and regression testing.
* Used **Jira** daily tasks and test maintenance respectively.
* Developed a generic method to make the method reusable for multiple purposes.

**Environment:** Java, Manual, ALM, Gherkin, Cypress, Cucumber, Maven 3.1.1, Eclipse, Python, ETL, ICEDQ, GIT, JIRA, Appium, Protractor, PyTest, Mockito, AWS, Soap UI, TestComplete, Angular, C#, Kubernetes, Jmeter, UAT, Azure, TestCafe, UI automation, Pyspark, Jenkins, TestNG, Junit, Agile

| **Client** | Abott, Frisco, TX |
| --- | --- |
| **Duration** | Dec 2017 - Mar 2019 |
| **Role** | QA Test Engineer |

**Responsibilities:**

* Analyzed documented test requirements and user requirements, test plans, and test cases using Quality Center.
* Designed test cases as per business requirements and use cases.
* Carried out GUI, Functionality, Integration and Regression testing using Quality Center.
* Performed rigorous manual testing such Functional Testing, Smoke testing, Integration testing, UAT Testing, Backend Testing, Regression Testing, End to End Testing and System Testing.
* Designed test cases using Test Plan in Quality Center and mapped with requirements.
* Involved in execution of test cases using Test Lab in Quality Center and linked the detected defect with requirement and test case.
* Involved in Web Service Testing using SoapUI
* Performed Manual Testing to check the functionality of the whole application.
* Prepared and conducted functionality and regression testing during the various phases of the application using UFT.
* Prepared and validated the test results proactively in explaining and working through variances.
* Attended the Test planning sessions to help the team to understand the testing approach and to make testing components articulate.
* Proficient in all phases of Test Life Cycle from test planning to defect tracking and managing defect life cycle.
* Handle

**Environment**:SOAP UI, Webservices/API, HP Quality Center, MS Office.

| **Client** | ORACLE CORPORATION, HYDERABAD, INDIA |
| --- | --- |
| **Duration** | Nov 2011 - July 2017 |
| **Role** | QA Test Engineer |

**Responsibilities:**

● Effective communication between QA Peers, Business and Development Groups.

● Understand the testing effort by analyzing the requirements of project AGILE delivery process of

software using SCRUM methodology.

● Develop the test plan for the tasks, dependencies and participants required to mitigate the risks

to system quality and obtain stakeholder support for this plan.

● Ensure content and structure of all Testing documents / artifacts is documented and maintained.

● Review and follow-up for the Sign-off on the Test Cases/Test Scripts documents.

● Executing SQL Queries using SQL Server and SQL Developer.

● Track and prepare the report of testing activities like test case coverage, required resources,

defects discovered and their status, testing results and performance baselines etc.

● Identifying the regression test cases from the current release and moving into Regression folder

in HP ALM.

● Ensure the timely delivery of different testing milestones.

● Prepare the Test Summary Report at the completion of the project.

Environment: SCRUM, Agile, SQL, HP ALM, SQL Server.