**Kalpana Karthikeyan**

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**PROFESSIONAL SUMMARY**

Highly skilled in Software Development Life Cycle (SDLC) and Software Testing Life Cycle (STLC).  
Experienced in Testing Methodology and agile model.  
Proficient in developing and maintaining Backend and UI test automation frameworks.  
Strong expertise in executing manual tests on Backend and UI components.  
Skilled in investigating, debugging, and troubleshooting issues independently.  
Specialization:  
1) Automation Tool: Selenium Web driver REST-assured.  
2) Automation Testing Framework: TestNG  
3) Design Pattern: Page Object and Page Factory.  
4) Language used: Java, C#  
5) Expertise in Automation Framework Development from the Scratch.  
6) Expertise in Functional, Regression, Validation Testing, API Automation Testing.

7) Bug Reporting Tool: JIRA  
8) Configuration Management: Git, SVN  
9) Experience in both SDLC and STLC and Agile(SCRUM) Methodology.  
10) Experience in executing the automation test scripts in the Sauce Labs cloud.   
11) Experience in Continuous Integration using Jenkins.   
12)Experience in Maven, and SQL.

**WORK SUMMARY**

**Current Project: SDET - JUMIO-present**

**Roles and Responsibilities:**

* Responsible for unit, functional, non-functional, integration, and regression testing activities.
* Analyzed requirements, drafted test strategies, prepared test cases, automated and executed them.
* Implemented automation framework from scratch using Playwright, Java, and TestNg to test Jumio’s Unified Portal Application.
* Enhanced and maintained existing automation framework Selenide, Java, and TestNg to test Anti-Money Laundering and transaction monitoring applications.
* Enhanced and maintained existing API automation framework REST assured, Java, and TestNg to test AML microservices.
* Extensively automated regression and functional test suite.
* Worked in a highly dynamic AGILE environment and participated in scrum and sprint meetings.
* Creating and maintaining CI/CD pipelines using Jenkins to make sure regression suites are stable.
* Responsible for developing and maintaining both the Backend and UI test automation frameworks.
* Deployed services onto test environments for evaluation.
* Independently investigated, debugged, and troubleshooted issues.
* JSON Schema Validation: Incorporated JSON schema validation in both Postman and Rest Assured to ensure that API responses adhered to the expected JSON structure. Defined and maintained JSON schemas to be used as a reference during testing.
* Dynamic Data Handling: Utilized dynamic data in JSON payloads for testing scenarios, ensuring the robustness of API endpoints under varying input conditions. Applied data-driven testing principles by parameterizing API requests with dynamic JSON data.
* Response Assertions: Employed JSON Path expressions in both Postman and Rest Assured for precise validation of specific elements within JSON responses.
* Implemented XML as a configuration file to manage test data and settings for different test scenarios.
* Employed XML assertions to validate expected outcomes during test execution.
* Implemented a mechanism to switch between different test environments (e.g., development, staging, production) by modifying XML configurations. Implemented assertions to verify expected values, types, and conditions in the API responses.

**Automation Testing -Upwork- Weltec University -Client Ocular-Mar 2022-July**

**Roles and Responsibilities:**

* Did the requirement analysis for manual testing.
* Estimated, prioritized, planned, and coordinated quality testing activities.
* Created detailed and well-structured test plans and test cases.
* Designed the framework Page object model (POM) in Selenium /C# to execute the scripts. Wrote the code in C#, executed the script, and monitored the automated test suites for the product.

**FUNCTIONAL TEST ENGINEER-Agile Transformation -2018-2020**

**Project Description: Agility Health -Individual Assessment Creation I360 -Bank of America (Client)**

Agility health radar Creating individual Assessments for the team members or individuals.

**Roles and Responsibilities:**

* Ability to create test plans, test schedules, and test summaries- Prepare test cases for the stories in Microsoft Azure and TFS and it will be tested.
* API/MVC stories are tested using Swagger and Postman for documentation.
* Written SQL queries for data -plug-in for API Testing.
* Developed the Automation Test Scripts in Selenium WebDriver using Java based on the design pattern Page Object Model for reusability.

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| **FREELANCER -UTest-**November 2016 to January 2018  **Projects Done:** All Saints. com-Tested the Application.  FUZZ -M360 Account panel testing, FOX AAP/Ad Audit, Facebook research program  **FREELANCER- Testlio** -October 2015 to June 2016  **Projects Done:** CBSi Data Platform involves the verification of Omniture calls through tools like Charles proxy and wire shark.  CBS Data Sports HQ, CBS Data -Desktop Web, CBSi Data Amazon [Mobile].  CBSi Data Android, Fox Authentication, FX Now Delta IOS (Merged), CBS Data IOS [mobile]  **QA TEST ANALYST -NAVAGATE TECHNOLOGIES** - July 2007 to March 2008  **Roles and Responsibilities:**   * Test Case Preparation and Test Scripts are prepared based upon the client's requirements. * Designed test plans, scenarios, scripts, and procedures. * Analyzed business requirements, and business rules, and created test plans and test cases outlining the scope, objectives, timeline, and focus of software testing effort for functional testing.   **SOFTWARE TEST ENGINEER-HEXAWARE TECHNOLOGIES Limited Chennai**, September 2006 to January 2007  **Project Description:** CBOL System is a Citibank Online trading Investment operation The Enhanced Banking System (EBS) Investment System for Germany includes both the backend host function and frontend accessible through the CBOL System Entity Multi-Functional Investments System (MEMFIS) platform.  CITI EBS has different modules like Cards, Credit, Marketing Credit, Sales, Back Office, Citi phone, and Wealth Management etc. The Mutual fund and Equity are part of Wealth Management, through CBOL customers can Buy, Sell, and Cancel the products. The customer has the facility of online trading system which is called CBOL (Citibank Online Trading System) (www.citibank.de.in) Test Case Preparation: Test cases and Test Scripts are prepared based upon the client's requirements.  **Roles and Responsibilities:**   * Test Case Preparation and Test Scripts are prepared based upon the client's requirements. * Created test plan and test cases outlining the scope, objectives, timeline, and focus of software testing effort for functional testing. * Participate in Daily meetings with the team. Executed the Test scripts in QTP. |