HEMA SAI LAKSHMAN NIMMALA

PROFESSIONAL SUMMARY

Test Lead and SDET with **11** years in the IT industry, leading testing teams in designing, implementing and executing various test scenarios. Highly skilled automation tester with outstanding technical and communication skills, team collaboration and abilities to meet deliverables consistently.

WORK HISTORY

Technical Test Lead, 07/2020 - Current
BP via Infosys Limited - London
Project 1: Malin LNG Optimiser
Project Description: Malin is a BP bespoke system of insight, using advanced metaheuristics such as simulated annealing and hybrid algorithms. It deals with the lack of separability and combinatorial explosion when optimizing the LNG physical portfolio schedule by maximizing portfolio PnL and minimizing shipping cost whilst considering hard and soft operational constraints.
Tech Stack: Intellij, TestFX, JUnit, Jenkins, Azure DevOps and Visual VM.
Roles & Responsibilities:

- Leading QA testing teams including Onsite, Offshore and Third-Party teams in a Client facing role.
- Good Experience in Smoke, Functional, Integration, Regression, E2E testing and UAT testing using the test scenarios prepared based on the analysis performed on the user stories.
- Automation testing of Malin desktop JavaFX application using TestFX language integrated with JUnit framework.
- Creation, development and maintenance of test scripts.
- Thoroughly understanding User stories and creating appropriate tasks along with effort estimation to accomplish them during the Sprint planning meeting.
- Project management using Azure DevOps - Story/tasks planning, Pull requests and repository management.
- Effectively working with the cross functional teams.
- Attending all Agile Scrum Ceremonies and new enhancements walk-thru meetings.
- Periodic & on-demand execution of automated builds via Jenkins.
- Actively working with the developers to understand the changes and creation of test cases and scripts within the sprint and execute the entire regression suite during every release.
- Occasionally using Visual VM to track & analyze the memory usage of the Java application and share the heap dump logs to the developers in case of excessive memory leaks.

Senior Test Analyst, 01/2020 - 06/2020
BP via Infosys Limited - London

CONTACT

Address: London, Middlesex, TW14 0JT
Phone: 07448525975
Email: sailakshman.nimmala@gmail.com

CORE QUALIFICATIONS

- **Testing**: Functional, Regression, End to End testing, UAT testing, Smoke and Sanity testing, API web services testing and Database Testing
- **Automation**: Selenium using C# & Java for Web based and API web services and Database automation, TestFX Junit framework for JavaFX Desktop application and VB Script
- **Programming Languages**: C#, Java, TestFX and VB Script
- **Framework models**: BDD Spec-flow, JUnit, Cucumber, TestNG, NUnit, Data driven, Keyword and Hybrid model
- **Source Controls**: Git, Bit Bucket and VSTS Repository
- **CI/CD**: Azure DevOps and Jenkins
- **Software Tools**: Intellij, Eclipse, Microsoft Visual Studio, Selenium Grid, Win Merge, Visual VM, AWS EC2, Docker containers, Postman, Maven, JSON, MuleSoft, GraphQL, Salesforce, Work bench SOQL query and Sauce Labs
- **API Tools**: Rest API, SOAP API and Web Services
- **Test Management Tools**: Azure DevOps board, Jira and HP ALM
- **Defect Management Tools**: Azure VSTS, HP ALM, Jira and Mantis
- **Databases**: Oracle SQL Developer and

Project 2: Pequin - Subsurface Digital Library
Project Description: In Upstream, vast amounts of time is spent finding, collating and manipulating data - leading to significant value erosion. Pequin was successfully launched to solve this problem which enables the team to work with quality data in a consistent manner across the globe in connected applications.
Tech Stack: Microsoft Visual Studio, Selenium using C# .net, SpecFlow, API Rest Services, GraphQL and Postman.
Roles & Responsibilities:

- Automation testing of Pequin web application for different products like Keyen, Global Physical Catalogue and Boris.
- Test Framework creation, development of test scripts and maintenance using Selenium C# Spec-flow BDD model integrated using NUnit framework written in Gherkin language.
- Automated validation of OData & MuleSoft API and GraphQL API response data.
- Thoroughly understanding the PBIs, creating user stories and appropriate tasks along with effort estimation to accomplish them during Sprint planning meeting.
- Experience working with Product Owners, Developers & QAs, Business Analyst for the effective delivery of the Product.
- On-demand execution of automated builds for Product release.
- Monitoring for OData and MuleSoft APIs is scheduled to run through automated azure pipelines every two hours for PROD environment.
- Continuous Integration of builds via Azure DevOps and notifying the automated test results via email and MS Teams notifications.

Senior Test Analyst, 08/2019 - 12/2019
BP via Infosys Limited - London
Project 3: Post Trade Credit Risk
Project Description: In Post Trade Credit Risk, we have worked on Salesforce Global Credit Portal application, Margin Automation System MAS for sending auto-margin calls for margin in and margin out requests and One Credit Portal OCP for dealing with the Credit entity data flowing from the different external systems which is managed with in the OCP and flowing to Salesforce GCP.
Tech Stack: Microsoft Visual Studio, Selenium using C# .net, API Rest Services, Oracle SQL Developer, Azure DevOps, Salesforce work bench and Sauce Labs.
Roles & Responsibilities:

- Functional and Automation testing of Salesforce Global Credit Portal app, usage of Salesforce work bench SOQL query for validating the data against database.
- Test scripts creation and maintenance using Selenium C# Spec-flow BDD model integrated with NUnit framework.
- Source Code Management using Azure Git repository integrated within Azure DevOps.
- Good Experience in working with API Automation using REST API, SOAP API Services, Web Services and invoking WCF Services, GraphQL API using OAuth2.0 protocol.
- Database querying and validation of the data based on the front-end application changes.
- Effectively determining the test estimate efforts required for the Product Backlog items during the Sprint planning meeting.
- Testing responses in MuleSoft application regarding the status of the entities load to Salesforce application.
- Usage of Toad for Oracle for verifying the data as part of the updates

SQLite
- **Domain**: Energy & Trading, Retail, Manufacturing, and Digital Printing
- **Operating Systems**: Windows, MAC, Unix and Linux

performed in the front-end application.

- Implemented Microsoft Graph API OAuth 2.0 to handle Salesforce modern authentication for sending automated mails and reading emails from mailbox.
- Automated Salesforce login by handling multi-factor authentication using SOAP API call.
- Task creation and defect logging and tracking in VSTS board.
- Daily Scrum meetings and effectively coordinating with the offshore team to provide the required information on the delivery.
- Knowledge sessions with the developers and the BA to get the detailed understanding on the new software implementation.
- Providing detailed test sign off report both manual and automation execution for every product backlog items release.

Software Test Analyst, 02/2019 - 07/2019
Telstra via Infosys Limited - Hyderabad
Project 4: Davinci enhancements
Project Description: Telstra Corporation Limited is Australia's largest telecommunications company which builds and operates telecommunications networks and markets voice, mobile, internet access, pay television and other products and services.
Tech Stack: Intellij, Selenium using Java, Salesforce velocity integration procedures and Post man.
Roles & Responsibilities:

- Functional and Automation testing of Salesforce application.
- End to end testing of the Order creation till the delivery.
- Validating Salesforce velocity integration procedure responses.
- Test scripts creation and maintenance using Selenium Java and TestNG framework.
- Source Code Management using Git repository.
- Continuous Integration through Jenkins.
- Automated test build & sharing test results via email delivery.
- Defect logging in Jira and tracking defects till closure.
- Daily Scrum meetings and effectively coordinating with the team members and focusing on the delivery.

Test Analyst, 01/2018 - 01/2019
Arrow Electronics via Infosys Limited - Hyderabad
Project 5: Performance Improvements
Project Description: Arrow Electronics is a global provider of products, services and solutions to industrial and commercial users of electronic components and enterprise computing solutions. Arrow serves as a supply channel partner for more than 150,000 original equipment manufacturers, value-added resellers, contract manufacturers, and commercial customers through a global network.
Tech Stack: Microsoft Visual Studio, Selenium using C# .net, API Rest services, SQL Server and Slack notifications.
Roles & Responsibilities:

- Functional and Automation testing of the ECommerce application.
- Creation of new test scripts for UI, API and DB using Selenium C#.
- Performed continuous integration using Jenkins.
- Integrated Extent Reports to Selenium C# NUnit framework.
- Categorization of test failures to reduce failure analysis time.
- Created test scripts by adhering coding standards defined by Client.
- Coordinated with multiple team members from different geographical locations for a successful delivery of the project.
- Demo presentations to Clients on working solution implementation.

- Mentoring new team members, providing training on domain and technical skills.

Test Analyst, 08/2016 - 12/2017
BASF via Infosys Limited - Hyderabad
Project 6: New Transaction Portal
Project Description: The goal of the "NewTP Implementation" project to replace the existing "WorldAccount" system with a new, future-oriented portal. To do so, the user design is to be integrated using Adobe AEM and the e-commerce features are to be provided by integrating the BASF ERP system (Cobalt) with SAP hybris. In addition, user interaction is improved by providing intuitive user guidance and optimizing the portal for different types of devices (desktop PCs, smartphones and tablets).
Tech Stack: Eclipse, Selenium Java, Selenium Grid, Jenkins, SAP and Jira.
Roles & Responsibilities:

- Created Hybrid TestNG Automation framework using Selenium Java.
- Developed Regression Automation scripts & re-usable functions.
- Source code management using Git repository.
- Daily automated execution using Jenkins Continuous Integration and email notifications including report & failure screenshots.
- Updating test scripts as per the enhancements, bringing scalability to reduce maintenance of the testing activities, debugging failed test scripts, reporting appropriate issues and tracking defects till closure.

Test Analyst, 10/2015 - 07/2016
Avaya via Infosys Limited - Hyderabad
Project 7: Consolidated Services Quotes Tool
Project Description: Optimiser, CSQT supports quoting for direct accounts by Avaya Associates and quoting for Indirect Tier 1, 2 accounts. Avaya provides users a facility to consolidate multiple locations under a single contract, multi-location, or multi-site capability service contracts.
Tech Stack: Functional execution using HP ALM
Roles & Responsibilities:

- Test planning and test case creation in HP ALM.
- Test case execution and summary report generation in HP ALM
- Daily scrum meetings to discuss on the test progress, resolving bottle necks for the execution and discussion on the critical issues.

Quality Analyst, 09/2011 - 09/2015
RR Donnelley via PB Systems Private Limited - Hyderabad
Project 8: MediaCompass
Project Description: MediaCompass is a Digital Asset Management system from RR Donnelley, developed in FLEX to provide rich UI features. MediaCompass provides ShareStream, a soft-proofing solution that provides entire workgroup with fast and easy online access to content like page edits, colour retouching and final page inspection.
Tech Stack: Test Complete using VB Script and Oracle SQL Developer.
Roles & Responsibilities:

- Automation testing using VB Script with Test Complete.
- Preparation and execution of test cases and test scripts using Test Complete in VB Script.
- Verifying logs on Unix / Linux servers and sharing them with the development team.
- Logging defects in HP ALM and daily meetings on the test status.
- Detailed test result reporting to the entire team.

EDUCATION

Master of Computer Applications, 2011
Jawaharlal Nehru Technological University Kakinada
GPA: 78

Bachelor of Science, 2008
Acharya Nagarjuna University
GPA: 70

Intermediate, 2005
Board of Intermediate Education
GPA: 75

Secondary School Certificate, 2003
Board of Secondary Education
GPA: 67

ACCOMPLISHMENTS

- Handled diligently updating the UI properties for the automation project containing 500+ scripts with 2k+ properties as the development migrated from AngularJS to HTML5 and it is highly appreciated by the Client.
- Implemented OAuth 2.0 protocol in C# automation project for accessing Outlook Email box to send and receive emails.
- Created separate profiles for 300 UI automation scripts and configured on QA Jenkins jobs, only when all the profiles succeeded the code gets merged to master branch. This significantly improved the code quality and highly recognized by the Client.

ACHIEVEMENTS

- Received Digital Quotient Early Adopter Award in 2021 at Infosys Limited for achieving high DQ through skill initiatives program.
- Received Insta Awards in 2016, 2018 and 2021 at Infosys Limited for automation projects, reporting delivery and upskilling in SDET.
- Recognized and received Best Debutant Award in FY 2015 - 2016 at Infosys Limited for the major contribution to the project within the initial 6 months of joining the company.

CERTIFICATIONS

- International Software Testing Qualifications Board certified from BCS.
- Azure Fundamentals AZ-900 from Microsoft.
- Azure Data Fundamentals DP-900 from Microsoft.
- Certified as Automation Specialist L1 & L2, Test Design Specialist L1 & L2 and Automation Engineer L1 from Tricentis Tosca.

WEBSITE

https://nhsailakshman.github.io/profile/