



AMAL TOMY

Software Quality Engineer

Contact

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About Me

Experienced Software Quality Engineer with over 5 years in test automation and manual testing across web and mobile platforms. Skilled in reviewing customer requirements, planning and executing system tests, and integrating test suites into CI/CD pipelines.

Skills

- Automation Tools:** Cypress, Selenium, Robot Framework, Appium, JMeter, Postman, Katalon
- Languages & Technologies:** Python, Java, JavaScript, HTML, CSS, TypeScript, SQL, AWS, Docker, Kubernetes, Flask
- Tools & Platforms:** Git, Jenkins, Jira, GitLab, CI/CD, Agile, Confluence, Raspberry Pi 4 , Linux, Windows
- Testing Types:** Functional, Non-functional, Regression, Performance, API, Load/Stress Testing, Integration
- Project Management:** Product Discovery & Requirement Gathering, Agile & Scrum Methodologies, Cross-functional Team Collaboration, IoT Project
- German Driving Licence – Class B**

Language

- English ★★★★★
- German ★★★☆☆

Education

MASTERS IN APPLIED COMPUTER SCIENCE
Technische Hochschule Deggendorf

03/2020 - 03/2023

- Thesis on simulation and validation of trailer data in Schmitz Cargobull's telematics portal, focusing on improving real-time data processing.

BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE
Mangalam College Of Engineering

05/2012 - 03/2016

Experience

Quality Assurance Specialist

06/2024 - Ongoing

JA IT Solutions , Solingen, Germany

- Developed and executed automated test scripts (Python) to validate system functionality, performance, and hardware-software integration.
- Performed end-to-end testing of embedded and IoT-based control systems, ensuring accurate pump operations, liquid flow calibration, and workflow execution.
- Collaborated with cross-functional teams to identify defects, conduct root cause analysis, and improve overall product quality and reliability.
- Enhanced QA processes by implementing structured test documentation, system validation strategies, and continuous improvement practices.

Software Quality Engineer

05/2022 - 05/2024

Talentsconnect ag, Cologne, Germany

- Partnered with developers, designers, and PMs to ensure quality in agile sprints and releases
- Perform QA checks on web apps, emphasizing functionality, usability, and performance
- Developed automated test cases using Cypress, cutting manual testing by 40%.
- Track bugs using Jira, effectively communicating issues to development teams
- Collaborate to develop comprehensive test plans and reports
- Design automated testing frameworks integrated into the CI/CD pipeline
- Participated in regular retrospectives to propose and drive process improvements

Test Automation-intern

11/2021 - 04/2022

Schmitz cargobull ag, Münster, Germany

- Collaborated with cross-functional stakeholders to identify key product testing areas
- Creation of automation scripts using the Robot framework for existing functionalities
- Execution of automated and manual tests
- Automated Cargobull mobile application using Robot Framework and Appium libraries
- Analyzing and reporting bugs to the team
- Designing test cases for automation tests
- Research to implement test scripts for validation of data from various simulators
- Worked with CI/CD tools such as Jenkins to integrate automated tests into the pipeline
- Managed test scripts in Git, ensuring version control and traceability

Software Automation Engineer

04/2019 - 01/2021

Livares technologies, Trivandrum, India

- Mastery of manual test procedures such as functional, integration, system, regression, and exploratory tests
- Experience in automating tests with Robot Framework and Selenium
- Automated regression tests with Robot Framework, reducing testing time by 50%
- Worked with CI/CD tools such as Jenkins to integrate automated tests into the pipeline
- Developed SQL queries to extract test data from MySQL databases
- Managing test scripts in Git, ensuring version control and traceability
- Creating test plans and test cases for API testing with Postman and performing API tests for RESTful web services
- Developing and executing performance tests with JMeter to identify and resolve performance issues
- Perform load and stress testing of web applications with JMeter and identify performance bottlenecks

References

Available upon request