Muthukamatchi Manickam

QA Lead / Automation Engineer

⚲ Brussels, BE   ✉ kamu@belyf.com   ☎ +32 494 80 87 16   in kamu-m

Dynamic QA Lead with 7+ years of experience specializing in automated software testing, with a strong emphasis on Selenium-based solutions. Proven track record in enhancing product quality, streamlining testing processes, and leading QA teams effectively. Extensive expertise in designing and implementing robust Selenium automation frameworks, performance testing, API validation, and leveraging AI and low-code tools for workflow optimization. Proficient in tools like Selenium, Robot Framework, and TestSigma, with a deep understanding of test script development, execution, and maintenance. Recognized for identifying critical bugs, optimizing testing cycles, and driving efficiency to ensure software reliability and excellence.

Skills

Technical Expertise:
Selenium, Java, Robot Framework, Python, TestSigma, TestNG, Locust, Jenkins, MongoDB, Elasticsearch, Git, JIRA, Confluence, UFT, VB Script, Chai, Mocha, Gherkin/Cucumber, HP ALM, SoapUI, TestRail

Area of Expertise:
Automation Testing, CI/CD Implementation, Performance Testing, Load Testing, Database Testing, API Testing, Agile Methodologies, Version Control (Git), Test Framework Development, Mentorship & Training, Cross-Functional Collaboration, Process Improvement, Software Quality Assurance, Test Plan Development

Certification

ISTQB® Foundation Level (CTFL v4.0)   *Oct 2024*
Validation Number: 00594088

Automation Anywhere Certified Advanced RPA Professional (v11.0)   *Aug 2020*
Validation Number: AAADVC-22136675

Experience

Test Lead   *Jan 2022 − Present*
Aspire Systems | Chennai, India
Client: Lendkey

Tech Stack: Selenium, Java, Robot Framework, Python, TestSigma, Locust, Git

- Spearheaded the development and maintenance of Selenium-based automation suites for two high-impact projects (Verify and Ocrolus), achieving over 80% test coverage and significantly enhancing test efficiency.
- Designed and integrated robust Selenium test scripts into Jenkins CI/CD pipelines, ensuring seamless automated deployments and rapid feedback cycles.

- Optimized Selenium test cases for cross-browser compatibility, reducing execution time by 30% and improving test reliability.
- Implemented load testing strategies with Locust for the Verify project to complement Selenium's functional tests, boosting system performance and stability under heavy loads.
- Pioneered a proof of concept (PoC) in Robotframework and TestSigma for the Aliro project, resulting in the successful adoption of a new test automation framework across the team.

Associate   *Jun 2018 – Jan 2022*

Cognizant Technology Solutions | Chennai, India

Client: Opsec Security Group

Tech Stack: Selenium, Java, TestNG, Mongo, Git

- Automated complex test cases and developed efficient Keyword and Data-driven frameworks using Selenium WebDriver and TestNG, reducing manual testing time by 40%.
- Executed advanced database tests by writing MongoDB and Elasticsearch queries, ensuring data accuracy and consistency across multiple systems.
- Integrated automated testing workflows with Git version control, improving collaboration and traceability across the development and QA teams.
- Led API testing for RESTful services, maintaining detailed test plans and execution cycles in JIRA and Confluence, significantly improving test coverage.

Client: The Travellers Companies, Inc

Tech Stack: UFT, VB Script, Chai, Mocha, HP ALM, Soap UI

- Automated end-to-end functional and regression tests using an in-house framework (Travtest), accelerating test cycles and enhancing product quality.
- Designed and executed comprehensive E2E automation scripts, ensuring complete test coverage for critical business processes.
- Actively contributed to team activities such as goal setting, seminars, and coding games, fostering a collaborative work environment.

Application Developer   *Aug 2017 – May 2018*

OrchestrateHR Solutions Private Limited | Madurai, India

Tech Stack: ASP.Net, VB Script, SQL, Telerik Grid, Telerik Report Designer

- Designed and developed user-friendly web forms and dynamic web pages using ASP.Net, enhancing the user experience and improving data collection efficiency.
- Developed and maintained SQL database queries and procedures, ensuring smooth data management and reporting functionalities.
- Utilized Telerik Grid and Telerik Report Designer to generate dynamic reports, streamlining the client's data analysis and reporting processes.

Education

B.Tech (Information Technology)   *2017*

K.L.N. College of Information Technology, Sivagangai