Muthukamatchi Manickam

QA Lead / Automation Engineer

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Dynamic QA Lead with 7+ years of experience in automated software testing, specializing in enhancing product quality, streamlining testing processes, and leading QA teams effectively in Agile environments. Proven expertise in automation frameworks, performance testing, API validation, and leveraging AI and low-code tools like TestSigma to optimize workflows. Proficient in tools such as Robot Framework, Selenium, and CI/CD pipelines. Experienced in sprint planning, backlog grooming, and delivering high-quality automation within tight deadlines. Known for identifying critical bugs, optimizing testing cycles, and improving software reliability and scalability.

Skills

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

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

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: Robot Framework, Python, TestSigma, Locust, Git.

- Led the development of robust automation scripts for two high-impact projects (Verify and Ocrolus), significantly improving test efficiency and setting up seamless Jenkins CI/CD pipelines.

- Consistently recognized by the client for delivering key features and solutions on time, contributing to the successful completion of mission-critical projects.
- Boosted system performance by implementing optimized load testing scripts in Locust for the Verify project, leading to enhanced application stability under heavy loads.
- Pioneered a proof of concept (PoC) in 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: Java, Selenium, 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