Santhosh Kumar K

+917358914063
santhoshkumark1801@gmail.com
https://www.santhoshkumark.me

Summary

Passionate SDET with hands-on experience designing scalable automation frameworks and streamlining test pipelines in Agile teams. Skilled in Selenium, Java, UiPath, and CI/CD tools, focusing on reducing manual testing and boosting release confidence.

Skills

- **Test Automation:** Selenium (Java), Cucumber BDD, TestNG, Playwright, UiPath, Postman
- **Programming Languages:** Core Java, Python, HTML, and CSS
- **Version Control:** Git, GitHub
- **Build & CI/CD Tools**: Maven, Jenkins, Azure DevOps, GitHub Actions
- **Database**: MySQL, SQL Server

Experience

Programmer Analyst - Quality Engineering & Assurance   02/2023 – Current
Cognizant Technology Solutions   Coimbatore, India

- Automated 90% of application test cases using Selenium, Java, Cucumber BDD, TestNG, and Maven within a keyword-driven framework, significantly reducing manual effort for regression and sanity test execution in the CI/CD pipeline.
- Independently automated a Qlik report-based transport and logistics application, reducing functional errors and eliminating data mismatches.
- Developed automation scripts using UiPath for UI and MySQL backend data validation during client migration, resulting in **959.75 hours** and **$19,195** in annual **cost savings across 349 client executions**.
- Created proof-of-concepts and utilities using UiPath, Playwright, VB Macros, and Generative AI tools to reduce manual effort and accelerate delivery timelines.
- Collaborated with cross-functional teams, including product, development, and QA, in an Agile environment to ensure timely and high-quality project delivery.

Java Full Stack Developer Intern   11/2022 – 02/2023
Integrin Enterprise Solutions   Coimbatore, India

- Developed and maintained full-stack applications using Moqui and Apache OFBiz, integrated the **Adobe Sign API** to automate document signing workflows, and collaborated in an Agile environment to ensure timely feature delivery.

Education

Nallamuthu Gounder Mahalingam College - Bachelor of Computer Applications   06/2022
Coimbatore, Tamil Nadu

Projects

Selenium + GenAI Analyzer
- Developed a Java-based utility to analyze Selenium test failures using GenAI APIs, providing root cause analysis and fix suggestions to reduce debugging time.

Self-Healing Automation
- Integrated **Healenium**, an open-source self-healing tool, into the existing automation framework to automatically recover from broken or changed web elements, reducing maintenance efforts and increasing script reliability.

Certifications

- Postman API Fundamentals Student Expert
- GitHub Foundations