

Gopalakrishnan P

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Summary

AI-Powered SDET with expertise in Test Automation, Full-Stack Development, and Cybersecurity, creating intelligent, resilient, and self-healing test frameworks that enhance reliability and accelerate delivery of future-ready software systems.

Skills

Artificial Intelligence (AI): Generative AI, Large Language Models (LLMs)

Test Automation (UI): Selenium, Squish, Playwright, Appium, WinAppDriver, PywinAuto

Test Automation (API): REST, GraphQL, RestSharp, RestAssured, Postman, Swagger

Security Testing: Burp Suite, OWASP ZAP, Nmap, Wireshark, FFUF, Metasploit, Hashcat

Performance Testing: JMeter

Programming Languages: Python, C# (Csharp), Java, Typescript

Frameworks: BDD, Hybrid, TestNG, NUnit

Devops: Git, Azure Devops, Jenkins, GitHub Actions, Docker, Kubernetes

Frontend Development: Angular, React, Vue

Backend Development: FastAPI, Expressjs

Mobile Development: Flutter

Database: PostgreSQL, SQL Server

Defect Management: Azure Devops, Jira

Operating Systems: Linux, Windows

Miscellaneous: Log4J, Maven, JFrog

Experience

Mettler Toledo

Coimbatore | Software Engineer Senior - Test | June 2021 - Present

- Desktop application automation with Squish and Python.
- Web application automation with SeleniumBase and Python.
- Managed data for test automation in PostgreSQL database.
- Developed TAF Manager, a full stack web application with Vue 3 and Python, which reduced the test design turnaround time by 40%.
- Desktop application automation with PyWinAuto, Python and Behave
- Planned and achieved 100% coverage of features in test automation.
- Developed a test automation framework for LXC Installer from scratch.
- Desktop application automation with WinAppDriver, C# and Specflow.
- Migrated test automation repository from TFS to GitHub.
- Implemented concurrent testing to enable testing multiple clients simultaneously.

Infosys

Trivandrum | Test Analyst | January 2019 - April 2021

- Web application automation with Selenium and Java.
- API automation testing with Rest Assured (Java).
- API automation testing with RestSharp (C#).
- Frontend web application development with Angular.

Finastra

Trivandrum | Software Engineer | December 2016 - January 2019

- Web application automation with C# and Specflow.
- Manual Testing

UST Global

Trivandrum | Software Developer | March 2015 - December 2016

- Web application automation with Selenium and Java.
- Manual testing.

Achievements and Awards

- Developed **TAF Manager**, a full stack application in Vue 3 and Python for test design.
- Received Well Done Champ award for concurrent testing implementation.
- Developed **Employee portal**, a full stack application in React and NodeJS.
- Won **First Prize in the Testathon 2021** event conducted at the infosys unit level.
- Received Crown award for the implementation of Sulu interface.
- Received Shining Connect Star Award in Infosys.
- Won **Third Prize in IVS hackathon 2020** conducted at infosys unit level.
- Received **Finastra Star Award** in the Take Ownership Category
- **Mentor for Selenium Automation Session** held at the organization level in Finastra.

Education

Bannari Amman Institute of Technology, Erode - 74%

BE - Civil (June 2010 - March 2014)