

NITHISH KUMAR

SDET & Test Automation Specialist | AI-Driven Quality Engineering

Chennai, India | +91 7708674215 | nithishkumarrajeswari@gmail.com
LinkedIn: [linkedin.com/in/itsnithish](https://www.linkedin.com/in/itsnithish) | GitHub: github.com/ImmNithish | Portfolio: portfolio-nithish.web.app

PROFESSIONAL SUMMARY

SDET with 4+ years building and maintaining test automation frameworks, driving QA innovation that accelerates quality across the Software Testing Life Cycle (STLC). Specialized in Playwright, Selenium, REST API automation, and integrating AI agents to optimize regression suites and release management.

WORK EXPERIENCE

Member Technical Staff (SDET) - Zoho Corporation

Jul 2023 - Present | Chennai, TN

- Took complete end-to-end ownership of major feature releases post-dev completion--coordinating across Dev, QA, and Product teams to design test strategies, validate fixes, expand regression suites, and deliver zero-bug production launches.
- Built UI automation frameworks from scratch using Selenium (Java) and Playwright (TypeScript), validating user workflows before production releases.
- Integrated API automation (Rest Assured) into UI test suites, enabling end-to-end and regression testing across release cycles.
- Migrated test suites from Selenium/Java to Playwright/TypeScript (POM, reusable fixtures) using AI tools (Claude Code, GitHub Copilot)--cutting migration time by ~40%.
- Architected a reusable, OOP-driven automation framework adopted across the team for scalable, maintainable test suites.
- Integrated Selenium and Playwright suites into CI/CD pipelines, enabling parallel execution and automated HTML reporting.
- Cut manual regression effort by 50-60% by automating repetitive test scenarios across releases.
- Reduced test flakiness from 40% to under 15% by addressing root causes and implementing dynamic test data seeding, then guided cross-functional teams to adopt the framework standard.
- Developed an AI-powered QA knowledge platform, QA Wiki, used by the QA team to analyze code changes, identify regression risks, uncover automation gaps, and improve release readiness, reducing dependency on tribal knowledge.
- Built a self-service tool, in coordination with the engineering team, that automates slow setup tasks (account creation, invites) via a simple form adopted org-wide, removing automation-team dependency for these tasks.
- Used AI agents to automate new feature validation and end-to-end functional flows, integrating them into the regression suite for continuous coverage.

Quality Analyst - Gofrugal Technologies

Oct 2022 - Jun 2023 | Madurai, TN

- Conducted functional, integration, and sanity testing in an Agile/Scrum development environment, preparing test strategies, sprint test plans, and user story coverage.
- Executed manual testing for sprint releases and developed automation scripts within an existing framework to extend regression coverage.
- Applied BDD practices and test planning to align QA execution with sprint goals and release requirements.

SKILLS

Automation & Testing: Selenium, Playwright, Appium, WinAppDriver, Rest Assured, TestNG, Page Object Model, API Testing, Agile / Scrum, Test Strategy, Test Planning, Regression & Functional Testing

Programming: Java, TypeScript

AI / GenAI Tools: Claude Code, GitHub Copilot, Playwright CLI, AI Sub-Agents, AI-Assisted Test/Use-Case Generation

Tools & Platforms: Git, Maven, Postman, VS Code, IntelliJ, Zoho CRM, CI/CD Pipelines, Docker

Languages: English, Tamil, Hindi

EDUCATION

B.E. Civil Engineering - Mepco Schlenk Engineering College, Sivakasi

Jun 2016 - May 2020 | CGPA: 8.1/10