

SRI HARI KRISHNAN R

Senior SDET | Test Automation Expert | CI/CD & Cross-Browser Testing Specialist

+91 8072810557 @ sriharikrishnan.r10@gmail.com LinkedIn
Portfolio Chennai

SUMMARY

SDET Engineer with **2+ years of experience** designing and implementing scalable test automation frameworks across web and API layers. Proficient in **Selenium, Playwright, TestNG, Rest Assured, and Docker**, with strong expertise in **CI/CD integration** and **cross-browser testing**. Adept at driving automation modernization initiatives, **improving release velocity, and mentoring teams**. Currently exploring **Agentic AI-driven testing solutions** to enhance reliability and test coverage.

EXPERIENCE

Senior SDET 10/2024 - Present
Tata Consultancy Services Chennai

- A leading IT services, consulting and business solutions organization
- Led the migration from **Selenium to Playwright** from scratch, improving execution speed by **60%**.
 - Mentored junior engineers on framework design, Jenkins pipelines, and Playwright best practices.
 - Participated in **Agile ceremonies** including sprint planning, daily stand-ups, and retrospectives to ensure testing alignment with development goals.
 - Dockerized automation frameworks** for consistent execution in CI/CD pipelines, eliminating **85%** of environment-specific test failures.
 - Conducted **exploratory testing sessions** for new feature releases, discovering critical edge cases that prevented 15+ potential production issues.

SDET 10/2023 - 09/2024
Tata Consultancy Services Chennai

- A leading IT services, consulting and business solutions organization
- Developed **end-to-end test automation suite** for checkout and proposals systems using Selenium, TestNG, and REST Assured, **achieving 85% test coverage**.
 - Collaborated with cross-functional teams to implement **shift-left testing practices**, reducing **production defects by 45%**.
 - Automated regression testing for major releases, **validating 200+** critical user journeys.
 - Performed functional testing of **core insurance modules** including License and Registration systems, proposals systems, and Contract validation, validating business logic and user workflows.
 - Reported high-severity bugs before production deployment in JIRA, reducing post-release defects by 60% and improving overall release quality.
 - Built and supported end to end CI/CD pipelines using GitHub Actions, **reducing manual regression effort by 60%**.

SKILLS

Programming languages - Java (Expert) · Python (Expert) · JavaScript (Intermediate) · SQL (Skilled)

Automation Frameworks and Tools - Selenium (Expert) · TestNG (Skilled) · Playwright (Expert) · Cucumber (Skilled) · Postman (Skilled) · Rest-Assured (Skilled)

Tools - Jenkins (Intermediate) · Github Actions (Skilled) · Docker (Skilled) · Git · Jira

Frontend - Angular (Skilled)

Methodologies & Testing practices - Agile · Scrum · Automated Testing ·

End-to-End Testing



EDUCATION

B.E. in Computer Science and Engineering

Saveetha Engineering College
2019 - 04/2023 Chennai

KEY ACHIEVEMENTS

🚀 Rapid Leadership promotion

Recognized for technical expertise and leadership abilities by being selected as team lead for a 3-member automation group, mentoring junior members and driving testing initiatives.

★ Recognized Technical Evangelist

- Awarded "Top Innovation Presenter" by Delivery Head for successfully presenting a Generative AI use case to 500+ stakeholders, demonstrating technical expertise and business value communication

CERTIFICATION

Microsoft Azure Fundamentals - AZ 900

Microsoft, Chennai

ISTQB Certified Core tester foundation Level(CTFL)

ISTQB, Chennai

PROJECTS

Agentic AI Test Automation

AI driven test automation framework

- Improved productivity by 30% by creating AI-driven system converting language prompts to executable UI tests.
- Tech stack - GPT-4o, Autogen framework, Python
- [View on GitHub](#)

Playwright powered Continuous Testing Framework for Web Application

- Systemized test cycles on every push to my portfolio website.
- Automated email on test reports on each push.
- [View on GitHub](#)