Deepak Mahalingam
Senior SDET

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About Me

Results-driven **Senior SDET with 10+ years** of experience in test automation across web, mobile, and backend systems. Proficient in building **scalable, maintainable frameworks** using a wide array of tools including **Playwright, Appium, Selenium, Rest Assured**. Skilled in both frontend and backend validation in microservice environments. Adept at leading QA initiatives, mentoring teams, and ensuring CI/CD integration for high-speed deployments. Seeking to contribute to an organization where automation is core to delivery excellence.

Expertise

- Advanced Automation
- Framework Architecture
- UI Automation (Web/Mobile)
- Api Testing (REST/GraphQL)
- Microservices Testing (SSE, Kafka, Avro schemas)
- CI/CD pipeline Mastery
- In-sprint Automation
- Test metrics & Reporting
- Code Review Proficiency
- Mentoring/Leadership
- Agile Methodologies

Certification

*ISTQB® Certified Tester, Advanced Level - **Test Manager***

*ISTQB® Certified Tester, **Foundation Level***

Education

2013/05 - Master of Information Technology: Computing and Networking
James Cook University – Singapore

2011/05 - Bachelor of Engineering: Computer Science
Adhiparasakthi Engineering college – Chennai, India

Professional Experience

Senior Quality Engineer
Just Eat | Berlin, Germany
Nov 2023 – present

- Developed a dedicated framework to automate end-to-end API testing for core backend services using **RestAssured** and **TestNG**.
- Developed integration test strategies to validate **Kafka topics, Avro schemas, and SSEs**, ensuring real-time message consistency and data integrity across microservices.
- Proactively monitored and validated **SSE connections** for real-time updates, ensuring fault tolerance and scalability under high traffic scenarios.
- Actively contributed to mobile test automation by developing test scripts using **Appium** for both **iOS** and **Android** platforms, leveraging **real devices** and **simulators** to ensure comprehensive coverage.
- Integrated automation test suites into **CI/CD pipelines** using **GitHub Actions**, aligning with **DevOps** practices to enable faster feedback, streamlined deployments, and improved delivery reliability.
- Collaborated with developers, product managers, and stakeholders to identify risks early and address gaps in requirements.
- Extensive knowledge in using defect tracking tools like **JIRA**, **Zephyr** and collaboration tools like **Confluence** and **Miro Board**.
- Strong experience working in Agile environments with a focus on continuous testing and fast feedback loops.

Key Technical Skills

Skill	Rating
Java	●●●●●○
Selenium	●●●●●●
Appium	●●●●●○
Playwright	●●●●●○
Backend Automation	●●●●●●
Javascript	●●●●○○
Cucumber	●●●●●●
DevOps CI/CD	●●●●●○
TestNG	●●●●●●
Grafana K6	●●●○○○
Postman	●●●●○○
SQL	●●●●○○

Lead Engineer
HCL Tech GmbH | Munich, Germany
Sep 2017 – Oct 2023

- Designed and implemented a **robust, scalable BDD test automation framework** using Java, JUnit, and Cucumber (Gherkin) to ensure test scripts are readable and maintainable for the **Salesforce application**.
- Led the rollout of **in-sprint automation**, aligning testing efforts with agile development cycles and achieving a **25% reduction in defect leakage**.
- Integrated automated test pipelines into **GitLab CI/CD**, enabling faster and more reliable releases.
- Spearheaded the **migration of a legacy Selenium-based framework to Playwright**, resulting in a **40% improvement in test execution speed** and a **30% reduction in flaky tests**.
- Delivered **Proof of Concepts (POCs)** and conducted live demos to showcase automation strategies to prospective clients, contributing to successful onboarding and project expansions.
- Actively mentored peers and junior team members, providing guidance on test automation, best coding practices, and framework design.
- Conducted regular knowledge-sharing sessions and code reviews to uplift overall team competency and maintain high-quality deliverables.

Member Technical Staff
HCL Technologies | Chennai, India
Feb 2015 – Aug 2017

- Implemented test scripts for **native**, **web** and **hybrid** applications using **Appium** across Android and iOS platforms.
- Developed reusable and maintainable automation scripts for web-based applications using **Java** and **Selenium WebDriver.**
- Handled bug lifecycle in JIRA and **ALM**.
- Integrated CI pipelines in **Jenkins**

Software Test Engineer
Die Tech India | Chennai, India
May 2013 – Feb 2015

- Started automation career with Selenium and core Java frameworks.
- Converted manual test cases into automated scripts, boosting test coverage and speeding up regression cycles.
- Document test results and work closely with the QA team to improve coverage and reliability.