

Daniel Raj S

SDET - Software Development Engineer in Test - [GitHub](#)

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SUMMARY

Built and scaled enterprise-grade test-automation platforms using Playwright/TypeScript, Selenium/Java, Appium and Rest Assured for web, mobile, and API testing. Expert at embedding CI/CD pipelines, database validations (PostgreSQL/Snowflake), and SonarQube static analysis to boost coverage by 30%, accelerate releases, and uphold code standards in Agile teams.

PROFESSIONAL EXPERIENCE

PREMIUM , Chennai — Senior Automation Engineer

JULY 2024 - PRESENT

Built a hybrid test automation framework from the ground up using Playwright, TypeScript, and Cucumber.js, seamlessly integrated with CI/CD pipelines and PostgreSQL to enable end-to-end API and UI testing. Championed Behavior-Driven Development to align QA, development, and business teams, and enforced coding standards by embedding SonarQube static analysis into the CI/CD process to maintain high code quality and minimize technical debt.

Bank Of New York Mellon, Chennai — QA Analyst

JUNE 2022 - APRIL 2024

Designed and implemented a Java-based Selenium automation framework (JUnit, TestNG, Maven) with a reusable POM using Apache POI, integrated into GitLab Runner CI/CD to cut manual testing by 25%, and worked closely with QA and development teams to streamline testing processes.

Tata Consultancy Services (TCS), Chennai — QA Engineer I

DEC 2019 - MAY 2022

Automated critical test cases in Java using Selenium WebDriver and TestNG to achieve 70% coverage, built a robust POM-based framework, provided testability feedback on requirements, and adapted testing strategies across Agile sprints.

SOFT SKILLS & LEADERSHIP

Facilitated Agile ceremonies (Sprint Planning, Daily Stand-ups, Retrospectives), driving continuous improvement and ensuring clear alignment on quality goals

EDUCATION

Alagappa University, 2021 – 2023 — Master of Computer Applications

Madurai Kamaraj University, 2016 – 2019 — Bachelor of Computer Application

TECHNICAL SKILLS

Programming Languages: Java, Python, SQL, TypeScript

Frameworks & Tools: Selenium, Playwright, cucumber.js & Cucumber (Java), Appium, Rest Assured, Node.js, Apache POI

Databases: PostgreSQL, Snowflake, AWS Athena

CI/CD & DevOps: GitLab CI/CD, GitHub Actions, Jenkins, Docker, AWS (EC2, S3), SonarQube

API & Other Testing Tools: Postman, SOAP UI, Swagger, JMeter

Test Management & Collaboration: Jira, Confluence

ACHIEVEMENTS

-Reduced defect-escape rate by 30% through the introduction of automated smoke and regression suites in the CI/CD pipeline.

-Won “Best Automation Hack” at Octillion’s 2024 internal hackathon for developing a CI plugin that surfaced test coverage metrics in dashboard reports.

LANGUAGES

English, Tamil