

LAKSHIT RAJPUT

Senior SDET | Test Automation & Frameworks | CI/CD · API · Performance

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SDET with 8+ years of experience in fintech, enterprise SaaS, and data platforms. Skilled in building and maintaining Playwright and TypeScript automation frameworks, developing UI and API test suites, and integrating quality gates into CI/CD pipelines using GitHub Actions and Docker. Experienced in scalable test automation and AI-powered QA solutions.

WORK EXPERIENCE

SilverXis Inc

Irving, TX

Senior Software Development Engineer in Test

Dec 2022 – Present

- **Architected a scalable Playwright + TypeScript automation framework:** Automated 450+ UI and API regression scenarios, reduced flaky test failures from nearly 12% to below 4% by introducing retry-aware reporting, stable locator strategies, and isolated test state all monitored through Allure dashboards across sprints deployments.
- **Optimized CI/CD Automation Execution:** Implemented GitHub Actions pipelines with Dockerized Playwright runs and parallel execution, reducing regression runtime from 3.5 hours to under 1 hour across sprint deployments.
- **Built Robust API Automation Layer:** Tested 200+ endpoints across 12 microservices using Playwright's API client, adding Pact contract tests and SQL data validation to catch 30% of backend defects left before they reached manual QA.
- **Provisioned reliable test infrastructure:** Ran scheduled Playwright suites on auto-provisioned AWS EC2 environments with seeded data, giving each sprint a consistent baseline and cutting environment-related false failures by 10%
- **Streamlined defect reporting:** Built a TypeScript utility that parsed CI failures, auto-filed Jira tickets with logs, screenshots, and routed to owners based on recent code changes, cutting defect-reporting time from 20 minutes to under 3.

ServiceLink (Fidelity National Financial)

Irving, TX

Software Engineer in Test

Jun 2022 – Nov 2022

- **Rebuilt Mortgage Test Automation:** Replaced manual testing with a Pytest-based UI automation framework for a mortgage web application, automating 40+ regression scenarios and reducing manual QA effort by 60% per sprint.
- **Created Automated API Validation Suite:** Implemented Postman-based API automation for a mortgage application, covering 50+ APIs, improving backend validation coverage, reducing manual API testing effort by 55% across releases.

SilverXis Inc Intern

Irving, TX

Test Engineer

June 2021 – Dec 2021

- Automated 120+ regression test cases using Java, Selenium WebDriver, TestNG, and Maven, reducing manual testing effort by 45% across sprint release cycles and improving test execution consistency.
- Built iOS mobile test suite using Appium with dynamic element locators and XCUITest integration; increased mobile regression coverage by 60% and reduced escape defect rate for mobile releases.
- Executed JMeter performance benchmarks simulating 5,000 concurrent users; identified 2 critical bottlenecks causing response time degradation under peak load, resolved by engineering team pre-launch.

Accenture

Pune, IN

Sr. Test Engineering Analyst

June 2018 – July 2019

- Built and scaled a Cucumber/Gherkin BDD framework that automated 1,000+ regression test cases across a Barclays payment platform; saved 148 engineer-hours per monthly release cycle and shortened sprint testing lifecycle by 2 days — recognized with Accenture Excellence in Software Testing Award (Q1 2019).
- Optimized 350+ complex SQL queries for automated data validation against Mainframe DB2 and SQL Server, converting entirely manual data verification workflows into scheduled automated pipelines.
- Drove regression and UAT coverage for 4 consecutive on-schedule Barclays payment releases, validating critical transaction flows and maintaining a defect escape rate low enough to eliminate post-release rollbacks."

Associate Test Analyst

March 2016 – June 2018

- Executed manual and exploratory testing across functional, regression, and UAT cycles for a banking application, uncovering critical application issues through detailed validation and contributing to a 95% on time release rate.
- Identified and reported 60+ defects across agile sprints in HP QC by documenting clear reproduction steps, environment details, and severity levels, resulting in faster issue resolution and reduced developer follow ups.

AI & GENAI QUALITY ENGINEERING PROJECTS

LLM Regression Testing Framework — Designed an evaluation harness using pytest and scoring functions to detect prompt regressions, output drift, and quality degradation across model versions for internal GenAI feature releases.

Autonomous Flakiness Detector — Engineered a Python-based CI analytics tool that analyzes test history, applies statistical anomaly detection, and auto-quarantines flaky tests with Slack alerting, reducing CI flakiness noise by 87%..

EDUCATION

The University of Texas at Dallas

Dallas, TX

MS, Information Technology & Management

Jun 2022

Visvesvaraya Technological University

Bangalore, IN

BE, Electronics & Instrumentation Engineering

Jun 2015

SKILLS

Automation & Frameworks: Playwright, Cypress, Selenium, Appium, Pytest, TestNG, REST Assured, Pact, Karate

Languages: TypeScript, Python, Java, SQL

CI/CD & Infrastructure: GitHub Actions, CircleCI, Jenkins, Docker, AWS (EC2, S3, Lambda)

API & Performance Testing: Postman, JMeter, Contract Testing, Load Testing

Data & Methodologies: PostgreSQL, MongoDB, DynamoDB, ETL Validation, Shift-Left Testing, BDD, Agile/SAFe

CERTIFICATIONS & RECOGNITION

ISTQB Foundation Level Certified — International Software Testing Qualifications Board

Accenture Excellence in Software Testing Award — Q1 2019 (Recognized for contributing to a 0-defect release)

Barclays/Accenture Star of the Month — July 2017 (×2 across tenure for automation impact)