



Piyush Pathak

Staff Software Engineer in Test (SDET) — Quality Architecture & Full-Stack

EXPERIENCE

January 2023 – Present

Senior Software Engineer / SDET · QuantumRhino

- Own **end-to-end test strategy and automation** (Playwright, Jest) for a multi-tenant SaaS platform on a Salesforce backend with serverless APIs and Next.js front ends; raised coverage from **60% to ~90%** with **CI quality gates** that block failing deployments.
- **Build full-stack features alongside the test layer** — Next.js front ends and serverless APIs (Lambda / S3 / DynamoDB) — designing for testability from the inside out.
- Led migration of **14M+ files** from Dropbox to AWS with **self-healing agents** that detect and repair problematic files in real time.
- Debug failures across distributed services; apply **AI-assisted / LLM-based test generation** (Claude Code, Anthropic API, MCP); author architecture and test documentation.

February 2022 – February 2023

Head of Test Engineering · Rarify

- Led and **mentored the QA function** for the company's first product, a high-traffic API; defined the end-to-end automation strategy.
- Architected a **performance / load test framework** to validate throughput and latency for high-traffic services, plus an automated framework from scratch where tooling was immature.
- Built an in-house plugin over the integration bridge to extend automated coverage and reliability.

December 2014 – February 2022

Test Engineer → Public API Team · Shutterstock

- Architected the in-house **"Midlevel" automation framework** using **mocks / stubs** to replace live network calls — cutting infrastructure cost and reducing flakiness for scalable, reliable coverage.
- Drove **API automation** on the Public API team (consumed by clients including Facebook); contributed to API development and the CI / DevOps pipeline.
- Owned quality across contributor, photo and video platforms and grew into **leading test efforts** across teams.

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SUMMARY

Staff-level SDET with 13+ years owning quality end to end across SaaS, distributed systems and enterprise platforms — and shipping the products too. Architects fast, non-flaky **Playwright** UI/API automation and wires CI/CD quality gates (took coverage 60% → ~90%). Builds full-stack on **TypeScript, Node, Next.js, AWS serverless and Salesforce**, designing for testability from the inside out. Folds AI/LLM into the testing loop.

CORE SKILLS

- Test architecture & strategy ownership
- UI & API automation (Playwright, Selenium, Cypress)
- CI/CD quality gates (Jenkins, GitLab)
- Performance & load testing (Locust, JMeter, k6)
- Full-stack: TypeScript, Node.js, Next.js
- AWS serverless & cloud-native
- Salesforce (Apex, LWC, integrations)
- AI-assisted & LLM-based test generation
- Mocks / stubs & integration testing
- Flakiness detection & test reliability
- Distributed / microservices debugging
- Shift-left quality & testability

WEBSITES & PROFILES

[linkedin.com/in/piyush-pathak-0b2a7072](https://www.linkedin.com/in/piyush-pathak-0b2a7072)

piyushpathak.in

memerwear.com

AI / LLM TESTING

Claude Code, Anthropic API & MCP servers

AI-assisted test generation & code review

LLM-based test generation; prompt validation

Prompt & context engineering

AUTOMATION & TOOLS

Frameworks: Playwright, Selenium, Cypress, Jest, Mocha, Chai, Sinon,nock

Performance: Locust, JMeter, Taurus

CI/CD & SCM: Jenkins, GitLab CI/CD, Git, npm / yarn

API: REST, Apigee, mocks / stubs, integration testing

Process: JIRA, Agile / Scrum

LANGUAGES & PLATFORMS

TypeScript / JavaScript, Java, Apex, SQL; AWS serverless (Lambda, S3, DynamoDB), Node.js, React, Next.js, PostgreSQL, MySQL, Linux

CERTIFICATIONS

ISTQB Certified Tester

SPOKEN LANGUAGES

English (C1) · Hindi (Native)

ACTIVITIES

Himalayan trekking · Photography

December 2012 – September 2014

Test Automation Engineer · [Angie's List](#)

- Built and maintained **UI automation with Selenium WebDriver, Java and TestNG**; ran regression suites and reported defects to engineering.
- Simulated production environments to enable realistic, repeatable automated testing.

EDUCATION

B.Eng., Information Technology

RGPV University, Bhopal — 2012