

Ankit Pandey

Senior Software Development Engineer in Test (SDET)

+91-82377-58669

ankit2web@outlook.com

Pune, India · [linkedin.com/in/iankitpandey](https://www.linkedin.com/in/iankitpandey) · github.com/ankit2web · leetcode.com/u/iankitpandey

PROFESSIONAL SUMMARY

Results-driven Senior Software Development Engineer in Test (SDET) with 3.5+ years of experience leading quality engineering initiatives, architecting scalable automation frameworks, and steering cross-functional teams toward zero-defect production deployments. Expert in leveraging Playwright, Cypress, Selenium, and AI-driven testing tools to optimize CI/CD pipelines and reduce regression cycles. Certified professional highly adept at bridging technical execution with business strategy, mentoring engineering teams, and embedding modern QA intelligence into DevOps workflows to achieve zero-critical-failure deployments.

CORE SKILLS

- **Test Automation:** Playwright, Cypress, Selenium WebDriver, Appium, WebdriverIO, Robot Framework, PyTest
- **Programming Languages:** TypeScript, JavaScript, Python, Bash, Java, SQL
- **API & Microservices Testing:** REST APIs, GraphQL, Postman, REST Assured, Newman
- **DevOps & CI/CD Systems:** GitHub Actions, Jenkins, Docker, Containerized Testing, Git
- **AI-Driven Quality Engineering:** Intelligent Test Generation, Visual Regression AI, Self-Healing Locators
- **Leadership & Methodologies:** Engineering Mentorship, Agile/Scrum, Strategic Test Planning, JIRA

PROFESSIONAL EXPERIENCE

INDEXNINE TECHNOLOGIES PVT. LTD.

Pune, India

Senior Software Engineer — Senior SDET

April 2022 – November 2023

- Deployed scalable, multi-browser automation architectures using Playwright and TypeScript, expanding total system coverage to 85% and cutting deployment feedback execution cycles by 50%.
- Spearheaded the integration of AI-powered self-healing locator mechanics into legacy Selenium structures, reducing manual maintenance overhead by 40%.
- Architected high-concurrency performance and stress testing configurations via Apache JMeter, eliminating systemic latency to enhance software response scaling by 30%.
- Formulated end-to-end API verification standards utilizing Postman and REST Assured, successfully auditing over 100 backend endpoints to preserve distributed microservices schema compliance.
- Containerized pipeline test environments using Docker within Jenkins CI/CD workflows, reducing engineering bug resolution turnaround metrics by 35% via targeted Allure reporting.
- Directed formal mentorship tracks for 3+ junior QA engineers on advanced data-driven principles, engineering a 25% acceleration in squad productivity output.
- Steered full-lifecycle defect triaging workflows inside enterprise JIRA systems, shrinking production bugs by 40% while enforcing strict client SLA agreements.

INDEXNINE TECHNOLOGIES PVT. LTD.

Pune, India

Software Engineer — QA/Test Engineer

July 2020 – April 2022

- Scripted regression testing suites with Python and Selenium WebDriver, migrating 35% of manual scenarios into automated pipeline iterations to trim validation cycles.
- Executed comprehensive backend data layer evaluations via complex SQL scripting, ensuring data-integrity

and multi-system data flows.

- Organized and managed User Acceptance Testing (UAT) coordination loops alongside key stakeholders, preventing post-deployment system faults by 30%.
- Tracked and documented 500+ unique infrastructure issues within internal ticking frameworks, negotiating quick resolutions directly with cross-functional product squads.
- Maintained precise compliance document packages including technical test strategies, risk matrices, and comprehensive audit-ready tracking logs.
- Partnered actively in Agile ceremonies (Sprint Planning, Retrospectives, Stand-ups) to inject shift-left testing logic into initial user feature requirements.

PROJECTS

AI-Enhanced E-Commerce Test Automation Infrastructure

Technologies: TypeScript, Playwright, Jenkins, AppliTools Visual AI, Allure Reports, Docker

- Engineered an enterprise cross-browser framework evaluating high-scale cart pipelines, customer logic, and payment models covering 300+ scenario scripts.
- Embedded intelligent layout verification layers using AppliTools Visual AI, verifying visual render accuracy across dynamic dimensions and device viewpoints.
- Restructured end-to-end pipeline parallelization configurations, compressing total processing schedules from 3 days down to a 6-hour automated matrix.

Intelligent Microservices API Testing & Monitoring Suite

Technologies: Python, Postman, REST Assured, Newman, GitHub Actions, LLM Prompting

- Constructed an API automation matrix mapping microservices authorization layer sequences and payload boundaries across 50+ high-traffic endpoints.
- Integrated automated LLM agent prompt scripts to generate dynamic synthetic edge-case inputs, isolating 90% of system integration bottlenecks prior to staging.
- Designed an active endpoint health-check alert ping engine, dropping corporate Mean Time to Resolution (MTTR) rates by 50%.

EDUCATION

SAVITRIBAI PHULE PUNE UNIVERSITY

Bachelor of Engineering in Computer Science & Engineering (CSE) — 7.29 SGPA

Pune, India

2016 – 2020

CERTIFICATIONS

- **ISTQB® Certified Tester** – Foundation Level (CTFL) July 2022
- **Azure Data Engineer Associate** – Microsoft February 2024
- **Generative AI Learning Path** – Google Cloud July 2023
- **Career Essentials in Generative AI** – Microsoft & LinkedIn June 2023
- **Data Science Professional Specialization** – IBM February 2020

AWARDS & PUBLICATIONS

- **Award:** 1st QA Hackathon Bug Bash Winner – Indexnine Technologies September 2021
- **Award:** Fresh Talent Impact Award (Q3) – Indexnine Technologies December 2020
- **Publication:** *Optimal Stopping Algorithm for Modern Interview Process using Machine Learning* – International Journal for Scientific Research & Development (IJSRD) April 2020