

RITIK CHATURVEDI

QA Engineer | SDET | Playwright • Python • API Automation

Bangalore, India | +91-9956381344 | ritikchaturvedi.tech@gmail.com | linkedin.com/in/ritik-chaturvedi-qa | github.com/ritik-sketch

SUMMARY

QA Engineer testing a construction-tech ERP platform across web and mobile app on staging and production, and building end-to-end automation in Playwright with Python, pytest and the Page Object Model. Hands-on across manual and automated testing, REST API validation in Postman, root cause analysis, and defect lifecycle management in JIRA, Linear and DevRev. Works AI-first: uses Claude Code for test design, log analysis and small developer-reviewed bug-fix pull requests.

TECHNICAL SKILLS

Automation: Playwright (Python), pytest, Page Object Model, fixtures and conftest.py, data-driven testing, network interception and route mocking

Languages: Python

API Testing: REST API testing, Postman collections and automation, JSON schema validation, status code and payload assertions, staging and production environments

Testing Types: Functional, Regression, Smoke, Sanity, End-to-End, UAT, Exploratory, Mobile App

Tools: Git, GitHub, JIRA, Linear, DevRev, PostHog, Chrome DevTools, Vercel

AI-Assisted Engineering: Claude Code, ChatGPT — prompt design for test case generation, log and failure analysis, debugging, script scaffolding and small bug-fix pull requests

Process: Agile, Scrum, defect triage, root cause analysis (RCA), PR-level QA sign-off, release verification, test plans

PROFESSIONAL EXPERIENCE

QA Engineer — Automation & Manual Testing | Merlin AI Software (YC S24), Bangalore, India **Dec 2025 – Present**

- Build and maintain the Playwright + pytest (Python) regression suite using the Page Object Model; it runs as the primary regression gate before every release
- Test the web and mobile app end to end on staging and production across purchase orders, checklists, daily logs, form validation, reporting, finance workflows and the AI-powered in-app guidance feature
- Look after quality of the Purchase Order module: triage, reproduce and close PO issues with developers; ran a web vs mobile app feature-parity audit across all modules
- Own feature-level QA on staging: verify pull requests against acceptance criteria, log defects with repro steps and severity in JIRA, Linear and DevRev, re-verify fixes before sign-off
- Perform root cause analysis on failed tests and production issues, isolating the failing layer (UI, API or data) before handing off to engineering
- Test REST API endpoints in Postman for status codes, response schema and data integrity across staging and production; building Postman collections for API automation
- Serve on the QA on-call rotation, triaging P0 and P1 customer-reported issues across DevRev, PostHog and Linear for multiple client accounts
- Apply Claude Code and ChatGPT to test case generation, log analysis and debugging, validating every generated output manually; raise small (XS/S) bug-fix pull requests in the backend and frontend repositories using Claude Code, each reviewed and merged by a developer

PROJECTS

End-to-End Test Automation Framework — Construction ERP SaaS **Playwright, pytest, Python**

- Built the framework from scratch: Page Object Model structure, shared fixtures in conftest.py, JSON-driven test data and multi-environment configuration
- Covers purchase order, checklist, daily log and reporting flows; runs as the primary regression gate before release
- Uses Playwright's route() interception to simulate API failures, empty responses and edge cases that are hard to reproduce manually

Playwright + pytest E2E Framework (public) — github.com/ritik-sketch/playwright-pytest-framework **Python, GitHub Actions**

- Page Object Model, shared fixtures, JSON data-driven tests, route() network interception, test plan and 18 mapped test cases, defect and RCA templates, CI with screenshots and HTML report

Internal Bug and Error Dashboard — built with Claude Code **Node.js, Express, Vercel**

- Aggregates application errors across multiple client environments into a single triage view for QA and engineering; approved for internal use by the engineering team

EDUCATION

B.Tech, Computer Science Engineering | Allenhouse Institute of Technology, Kanpur **2022 – 2025**

Diploma in Mechanical Engineering (Production) | Government Polytechnic Naraini, Banda **2019 – 2021**

Certifications: Python Programming: Build a Strong Foundation in Coding (Udemy, 2025) | Python OOP: A Complete Course in Object-Oriented Programming (Udemy, 2025)