

Ritik Thawani

API Testing & Automation Engineer

Email: [ritik11thawani@gmail.com]

- Phone: [+91-9898672100]
- Location: [Ahmedabad, India]
- LinkedIn: <https://www.linkedin.com/in/ritik-thawani-83ab05190>
- GitHub: [link]

Professional Summary

Experienced API Testing & Automation Engineer with strong software engineering fundamentals and a focus on building scalable, maintainable test automation solutions. Skilled at translating business requirements into comprehensive test strategies, designing automation frameworks, and building products that reduce manual effort (example: cURL-based test case generator). Comfortable working across backend APIs, payment gateways, and Android automation contexts.

Technical Skills

Testing & Automation: API testing (Postman, cURL), Pytest, Playwright (Python & JS), test case design, Allure reporting, CI/CD integration (Jenkins/GitHub Actions)

Programming: Python, C/C++, JavaScript, PHP (Laravel), jQuery

Tools & Platforms: Postman, Git, Docker (basic), Android automation (framework scripting), Allure, Jira, MySQL, Use of AI tools like Chat GPT, Cursor, Parallel, Perplexity, Gemini, Claude, Prompt Engineering, Trae

Test Types: Functional, Negative, Boundary, Integration, Performance basics, Contract testing

Professional Experience & Projects

Payment System Module — API Testing & Automation

Role: Lead Test Automation (Project Lead / Contributor)

Responsibilities & Contributions: - Designed test strategy and end-to-end API test scenarios covering payments, refunds, reconciliation, and settlement flows. - Implemented automated test suites using Playwright (Python bindings) and Pytest for repeatable, CI-friendly execution. - Developed reusable utilities for logging, screenshot capture, failure diagnostics,

and structured test reporting (Allure integration). - Performed negative and boundary testing for currency/amount limits, idempotency checks, and error path validations. - Collaborated with backend and Android teams, contributing automation scripts to validate mobile integration of payment flows.

Tech Stack: Python, Playwright, Pytest, Postman, Allure, Android automation scripts

cURL → Test Case Generator (Product)

Role: Product Developer & Architect

Summary: Created a product that accepts a cURL command and automatically generates a suite of test cases (positive, negative, edge cases). The product also contains an execution engine to run generated tests and report results.

Key Features: - Parses cURL to extract method, URL, headers, body, and parameters. - Generates template test cases for GET/POST/PUT/DELETE with variations (missing fields, invalid data, boundary values, auth/no-auth scenarios). - Execution engine runs the generated tests using Pytest/Playwright drivers and aggregates results. - Extensible architecture to add custom assertions and new request types.

Tech Stack: Python, Pytest, Playwright, Postman collection compatibility, modular parser design

Playwright Automation Framework — Contributions

Role: Framework Contributor

Contributions: - Added utilities for deterministic screenshots, retry logic, and richer failure context for debugging. - Standardized test hooks for setup/teardown and integrated Allure reporting for consistent test artifacts. - Documented framework usage patterns and provided sample test templates for rapid onboarding.

Tech Stack: Playwright (Python), Pytest, Allure

Android Framework Automation — Contribution

Wrote automation scripts to validate payment flows on Android devices and emulators.

Ensured compatibility between API responses and mobile integration points.

Education

Shree Swaminarayan Institute of Technology (SSIT) [Bachelor of Engineering in Computer Science], [Gujarat Technological University], [2020]

Additional Information

Strong debugging and problem-solving skills. Comfortable mentoring junior testers and documenting framework best practices.

Open to roles focusing on API automation, test tool development, and test architecture.