

SACHIN TANWAR

QA Automation Engineer

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Professional Summary

QA Automation Engineer with 3 years of combined professional and freelance experience in end-to-end testing of web and mobile applications (Android, iOS, cross-browser). Skilled in building automation frameworks with Playwright, Selenium, Appium, and Pytest, API testing, and CI/CD-integrated test execution. Proven ability to design test strategies, reduce regression cycles, and deliver reliable, user-centric software in Agile teams.

Technical Skills

- **Automation Tools:** Playwright, Selenium WebDriver, Appium (Mobile Automation), TestNG, Pytest
- **Programming Languages:** Python, Java
- **API Testing:** Postman, REST Assured, Python Requests
- **Performance Testing:** Apache JMeter (load and stress testing)
- **CI/CD & DevOps:** Git, GitHub, GitHub Actions, Docker, Linux
- **Test Management & Defect Tracking:** JIRA, Test Case Design, Regression Testing, Smoke/Sanity Testing
- **Databases:** SQL (data validation)
- **AI-Assisted Testing:** AI tools (e.g., GitHub Copilot, Claude) for test case generation and script maintenance
- **Methodologies:** Agile/Scrum, SDLC, STLC, Cross-Browser & Cross-Device Testing

Work Experience

QA Automation Engineer 05/2025 – Present

Vyom Systems and Solutions Private Limited, New Delhi

- Developed and maintained automation frameworks using Playwright, Appium, and Pytest covering 300+ test cases across the full product suite, reducing regression testing time by 60% (from 3 days to 1 day).
- Executed functional, UI, integration, and end-to-end tests across web and mobile (Android/iOS) platforms, ensuring cross-device and cross-browser reliability.
- Automated REST API testing using Postman and Pytest + Requests, validating responses, schemas, and data integrity.
- Integrated automated test suites into **GitHub Actions CI/CD pipelines** for scheduled and on-commit regression runs.
- Designed and executed 400+ manual and automated test cases; identified and reported 200+ defects via JIRA, improving release quality.
- Conducted performance and load testing with JMeter, simulating 500+ concurrent users to validate system reliability under peak load.

QA Tester 09/2024 – 05/2025

Enseur, New Delhi

- Created, executed, and maintained 300+ comprehensive test cases for manual and automated testing of web and mobile applications.
- Designed and implemented automation scripts using Selenium WebDriver and TestNG, improving testing efficiency by 35%.
- Identified, tracked, and reported 200+ defects using JIRA, collaborating with developers for timely resolution.
- Executed performance testing with JMeter to assess system reliability under high user load.

- Tested a smart food-ordering/dining application built for CII — "CII 2025: Dining Transformed by Smart Tech" — through manual testing and automation with Selenium WebDriver and TestNG, covering menu browsing, order placement, and order tracking flows to ensure a reliable ordering experience for event attendees.

Freelance QA Engineer 04/2023 – 04/2024

Self-Employed (Freelance) – Remote, New Delhi

- Delivered end-to-end QA services for 4+ client projects while completing diploma, specializing in Android mobile application testing and automation.
- Designed and implemented Android automation frameworks using Appium with Python, automating 40+ test scenarios across multiple client apps.
- Performed functional, UI, regression, and compatibility testing across Android devices and OS versions, identifying 100+ defects before release.
- Communicated directly with clients to define test scope, report progress, and deliver test documentation, ensuring on time project delivery.

Projects

- **OKAS (Home Automation) — Web, Android & iOS**
 - Owned QA for the complete OKAS ecosystem spanning 3 web platforms and native mobile apps on Android and iOS (iPhone and iPad), ensuring consistent functionality and user experience across all 5 product surfaces.
 - Built and maintained automated regression suites using Playwright for the 3 websites and Appium with Pytest for Android/iOS apps, covering critical flows such as user onboarding, device pairing, scene creation, scheduling, and real-time device control and status sync.
 - Executed cross-platform compatibility testing across Android devices, iPhone, and iPad (including tablet-specific layouts and orientations), and cross-browser testing on Chrome, Safari, Firefox, and Edge for the web platforms.
- **AIMA (All India Management Association):** Executed functional, UI, and cross-browser testing of the AIMA web portal, covering registration, membership, and content workflows; automated key regression flows with Selenium and logged defects via JIRA.
- **B20 India:** Tested the high-visibility B20 India summit platform; performed cross-browser and cross-device UI/functional testing plus JMeter load testing to ensure stability under high event traffic; verified critical defects pre-launch.
- **CII Technology & Learning Management System (LMS):** Conducted end-to-end testing of course enrollment, content delivery, and assessment modules across web and mobile; built automated test cases for recurring regression cycles, improving coverage and release confidence.

Education

Bachelor of Computer Applications (BCA) 2024 – Present

Manipal University Jaipur

Diploma in Computer Engineering 2021 – 2024

Delhi Skill and Entrepreneurship University (DSEU)