HARSH KHANDELWAL

QA Automation Engineer (SDET) | API Testing | Manual Testing

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PROFESSIONAL SUMMARY

GAQM Certified QA Automation Engineer (SDET) with **2.5+ years** of experience designing and scaling test automation frameworks using **Java, Selenium WebDriver, and Cucumber (BDD)** across enterprise banking and streaming platforms. Skilled in **API test automation (Postman, REST Assured)**, **Jenkins CI/CD** pipeline integration, and cross-platform quality assurance within fast-paced Agile teams. Delivered measurable quality gains, including a **40% reduction** in manual testing effort and a **90% drop** in critical post-release defects. Actively extending this QA foundation into AI-assisted testing workflows using Python and GenAI tools.

TECHNICAL SKILLS

- **Automation Testing:** Selenium WebDriver, TestNG, Cucumber BDD/Gherkin, JUnit, Selenium Grid, Hybrid & Data-Driven Frameworks, Playwright
- **API Testing:** Postman, REST Assured, API Test Automation, Service & Contract Validation
- **Development & Scripting:** Java, Python, Maven, JDBC, Spring Boot, JavaScript, Node JS, Data Structures & Algorithms
- **Manual Testing:** Functional, Regression & Sanity Testing, Test Planning, Test Case/Scenario Design, Test Data Management
- **CI/CD & DevOps:** Jenkins, GitHub, Bitbucket, Git, GitHub Actions, Autosys, Microsoft Azure, Linux
- **Test Management & Databases:** SQL, MySQL, PostgreSQL, Jira, Zephyr, Qase, Agile/Scrum
- **AI / GenAI Tools:** Prompt Engineering, GitHub Copilot, ChatGPT, Gemini, Claude Code

PROFESSIONAL EXPERIENCE

QA Automation Engineer (SDET) | LTIMindtree
Apr 2024 – Present

- Designed and maintained a scalable hybrid and data-driven automation framework (FAST) using **Java, Selenium WebDriver, TestNG, and Cucumber (BDD)**, increasing automated test coverage by **35%** and reducing manual testing effort by **40%**.
- Created and executed **200+ API test cases** using **Postman and REST Assured** for end-to-end service validation, identifying integration defects **25% earlier** in the release lifecycle.
- Configured **Jenkins CI/CD pipelines** integrated with Bitbucket and GitHub, automating test execution on every build with HTML Spark report archiving for full traceability.
- Collaborated with cross-functional Agile teams on regression, functional, and sanity testing each sprint, managing defect lifecycle and test planning in Jira and Zephyr, reducing defect escape rate by **30%**.

Key Client Engagements

QA Automation Engineer | Citi Bank – Digital Banking Platform
Aug 2024 – Jan 2026

- Developed **300+ automated test cases** using **Java, Selenium Grid, TestNG, Cucumber BDD, and Maven** for a high-traffic banking platform, achieving a **40% reduction** in manual testing cycles.
- Established **Jenkins CI/CD pipelines** integrated with **Bitbucket/GitHub** for continuous test execution, archiving build artifacts and generating structured HTML Spark reports per release.
- Conducted in-depth regression and functional test cycles with detailed test documentation, contributing to a **90% reduction** in critical post-release defects.

QA Engineer | BritBox (BBC Studios) – Streaming Platform
Feb 2026 – Present

- Executed end-to-end regression, functional, and sanity test cycles for a streaming application deployed across **7 countries** on web and Smart TV platforms, ensuring zero critical defects at each regional launch.
- Validated **100+ backend API endpoints** using Postman, performed log analysis with Charles Proxy and Chromium, and maintained structured test suites in Qase while tracking defect resolution in Jira.

QA Automation Engineer | Made-in-China (E-Commerce) – QA Automation Training Project
Apr 2024 – Jul 2024

- Developed **50+ automated UI test cases** using Selenium WebDriver, Cucumber BDD, and TestNG, generating structured HTML Spark Reports.
- Managed QA sprints end-to-end – test planning, defect triage, and automation delivery, within an Agile workflow.

CERTIFICATIONS

- **GAQM Certified Professional Selenium Tester (CPST)**
- API Testing Masterclass: **Postman & REST Assured**
- Microsoft Certified: **Azure Fundamentals Badges** (profile: harshkhandelwal-1722)
- **Java Spring Framework, Spring Boot & Spring AI (GenAI)**

EDUCATION

Bachelor of Engineering, Computer Science and Engineering *Jun 2019 – Jun 2023*

AISSMS College of Engineering, Pune | CGPA: 8.43