

MANOJ PANDIAN

QA Automation Engineer

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SUMMARY

QA Automation Engineer with 5+ years of experience in Web, Mobile, and API Automation Testing using Selenium WebDriver, Java, Appium, REST Assured, and Postman. Experienced in designing automation frameworks, validating APIs, performing cross-browser and mobile testing, and delivering high-quality software in Agile environments across eCommerce, Banking, and Warehouse Management domains.

KEY ACHIEVEMENTS

- Achieved 80% test automation coverage on a large-scale eCommerce ad-tech platform, cutting regression testing time by ~35% and accelerating release cycles.
- Quickly upskilled into mobile test automation (Appium), gained the ability to build a mobile automation framework for Android and iOS from scratch.
- Progressively expanded automation ownership across 3 organizations — from supporting manual/web testing in Banking, to a 50/50 automation model in Warehouse Management, to leading 80% automation including mobile in eCommerce.
- Consistently delivered defect-free releases in fast-paced Agile environments across Banking, Warehouse Management, and eCommerce domains.

TECHNICAL SKILLS

Languages	Java
API Automation	REST Assured, Postman
Frameworks	TestNG, JUnit, Cucumber BDD, Page Object Model (POM), Data-Driven Framework
UI Automation	Selenium WebDriver
Mobile Automation	Appium (Android & iOS)
Build & CI/CD	Maven, Jenkins
Version Control & DB	Git, GitHub, SQL
Methodologies	Agile Scrum, STLC, SDLC, JIRA
Currently Learning	JavaScript, Playwright (hands-on POCs in progress)

PROFESSIONAL EXPERIENCE

Software Engineer (QA Automation) — Nisum Consulting Pvt Ltd

Project: Collective | Client: Albertsons | Domain: eCommerce

Sep 2024 – Jun 2026

- Worked on GAM-AEM integration delivering targeted ads and personalized content across web and mobile platforms, validating SPA (React/Angular) applications and key APIs (XAPI, DAPI, Criteo) for ad delivery and tracking accuracy.
- Led test automation strategy achieving 80% automation coverage across GAM and SPA-integrated applications, reducing regression cycle time by approximately 35% and ensuring platform stability and seamless ad delivery.
 - Self-learned Appium and developed the ability to design, build, and maintain a mobile automation framework for Android and iOS from the ground up, validating GAM ad placements, ad rendering, click-through behavior, and responsive UI across multiple devices and screen sizes.
 - Executed end-to-end mobile testing of SPA-integrated applications using Appium, covering user journey validation, navigation flows, API-driven content, and cross-device compatibility.
 - Built and maintained API automation test suites for XAPI, DAPI, and Criteo, validating campaign delivery accuracy, audience targeting, and content personalization.

- Implemented API contract validation, error handling, and backend reliability checks through automated test suites.
- Designed and executed BDD test scenarios using Cucumber to validate ad delivery and SPA workflows in a format readable by both technical and non-technical stakeholders.
- Performed functional, UI, cross-browser, and localization testing to ensure accurate ad rendering and consistent user experience.
- Reported and tracked 100+ defects per release cycle, conducted root cause analysis, and collaborated in Agile sprints, contributing to a measurable reduction in post-release production issues.

Quality Assurance Engineer — The India Power Future

May 2022 – Aug 2024

Project: WireLine | Domain: Warehouse Management System (WMS)

Tested a warehouse management application streamlining inventory tracking, order processing, and shipment management, ensuring accurate stock updates and seamless supplier integration.

- Balanced 50% automation and 50% manual testing across core warehouse management workflows, supporting a team of 5 QA engineers across 2-week sprint cycles.
- Developed and executed automated test scripts using Java, Selenium, and TestNG for inventory management, order processing, and dispatch validation modules.
- Validated REST APIs using Postman and REST Assured, ensuring data accuracy and consistent front-end to back-end integration.
- Designed, enhanced, and maintained a reusable automation framework, improving test coverage and execution efficiency.
- Conducted manual functional, regression, and end-to-end testing for complex warehouse operations to ensure seamless business flow.
- Utilized SQL queries to validate data integrity and backend consistency for order, stock, and shipment records.
- Logged and tracked 200+ defects in JIRA over the project lifecycle, performed root cause analysis, and collaborated closely with developers and product owners in Agile sprints, improving release quality.

Associate Software Engineer — Rebase Global Technologies

May 2021 – Apr 2022

Project: Fifth Third Bank Portal | Domain: Banking

Performed manual testing of a comprehensive banking platform enabling customers to manage accounts, perform transactions, apply for loans, and access financial services online, ensuring robust backend processing and regulatory compliance.

- Performed manual functional, regression, integration, and exploratory testing on core banking workflows including fund transfers, account management, and loan processing to ensure defect-free application delivery.
- Created and maintained detailed test plans, test cases, and defect reports, ensuring timely communication of issues to developers and stakeholders.
- Conducted SQL queries and validations to verify database integrity, transaction records, and accurate data processing.
- Performed API testing using Postman to validate request/response payloads, authentication, and integration with core banking services.
- Assisted in developing basic automated test scripts using Java, Selenium, and TestNG to support regression testing of key banking workflows.
- Collaborated with cross-functional teams in Agile ceremonies to clarify requirements, track defects, and ensure high-quality releases.
- Ensured end-to-end validation of banking features across multiple browsers and platforms, maintaining compliance with security and regulatory standards.

EDUCATION

B.Com – Computer Application — Madurai Kamaraj University

2017 – 2020