

SHIVA BHARADWAJ

SDET and QA Automation Engineer

Mount Laurel, NJ (open to relocation), +1 508-915-0024, shivabharadwaj.d@gmail.com, [LinkedIn](#)

PROFESSIONAL SUMMARY

- SDET with 6 years of experience testing e-commerce and telecom platforms built on microservices. Strong in Playwright (TypeScript) and Selenium (Java) frameworks, REST API testing, Kafka event validation, and SQL data checks. At Comcast, migrated a legacy WebdriverIO suite to parallel Playwright and reduced regression time by about 40 percent.
- Validates the full stack, from the UI and REST APIs to Kafka events and SQL databases, in both retail and telecom.
- Integrates automation into Jenkins, GitHub Actions, GitLab CI, and Azure DevOps, and isolates the cause of nightly failures using traces and network logs.
- Implemented Playwright MCP integrations to support AI-assisted test development.

TECHNICAL SKILLS

Automation and Languages: Playwright, Selenium WebDriver, WebdriverIO, pytest, TypeScript, JavaScript, Java, Python, SQL

API Testing: REST and SOAP, Postman, REST Assured, Swagger, OpenAPI, OAuth 2.0, JSON, XML

Backend and Data: Kafka, microservices testing, ETL and ELT validation, dbt, BigQuery, Oracle, MySQL, PostgreSQL

CI/CD and DevOps: Jenkins, GitHub Actions, GitLab CI, Azure DevOps, Git, Docker, Kubernetes, Allure Reports

Process and Tools: Agile, Scrum, Jira, qTest, test planning, defect triage, requirement traceability, regression, smoke, integration, end to end, and exploratory testing

AI-Assisted Testing: GitHub Copilot, Playwright MCP, AI-assisted debugging

PROFESSIONAL EXPERIENCE

SDET and QA Automation Engineer (Contract)

Feb 2026 to Present

Comcast, New Jersey. Comcast Business Mobile, a B2B commerce and order management platform for onboarding, device activation, checkout, and account management.

- Reduced regression time by about 40 percent and cut flaky test failures by migrating a legacy WebdriverIO framework to a parallel Playwright and TypeScript framework with reusable fixtures, per-environment config, and trace-based reporting.
- Validated the carrier migration end to end, confirming new orders provisioned on T-Mobile while existing accounts stayed on Verizon without interruption.
- Extended automation past checkout with Playwright UI and REST API tests for fulfillment and shipping, checking order progress and downstream behavior across the customer lifecycle.
- Verified Kafka provisioning events and the downstream service behavior they trigger across the telecom microservices.
- Built API-based test data utilities that create, reset, and clean up accounts and devices, including IMEI deallocation and device-to-IMEI mapping checks, so regression runs start from a known state.
- Diagnosed nightly Jenkins and GitHub Actions failures using Playwright Trace Viewer, HAR and network logs, and DOM analysis, and sorted them into environment issues, real defects, and automation problems.
- Caught high-severity edge-case defects before release in SIM activation, plan assignment, and Amdocs CRM billing across store POS and online checkout, and led daily triage with developers, product managers, and network engineers.
- Implemented Playwright MCP integrations that let AI agents inspect live browser sessions and page structure, and used them to support AI-assisted test development.

QA Automation Engineer

Aug 2023 to Feb 2026

Kroger, Atlanta, GA. B2C retail e-commerce covering product search, cart, checkout, and order fulfillment on web and cloud microservices.

- Designed and scaled Selenium (Java) and Playwright (TypeScript) frameworks for a high-traffic Angular retail site, automating over 100 core regression scenarios across search, cart, checkout, and orders in a suite that ran in under 3 hours.
- Automated REST API tests in Postman and REST Assured that validated responses, business rules, and data passed between backend services.
- Developed SQL validation scripts for orders, transactions, and inventory updates, and cross-checked cart, checkout, and order flows across the API and database to catch data mismatches between services.
- Reconciled source transaction data against transformed and stored records to confirm accuracy and completeness, and built dbt tests for transformation logic, schema, and consistency between source and downstream tables.
- Integrated automated regression into Jenkins, GitLab CI, and Azure DevOps pipelines, running nightly, on merges, and before releases, so integration and data defects showed up early, and parallelized suites on Docker and Kubernetes to make environments consistent and cut flaky runs.

- Logged more than 75 defects, including edge cases in high-risk checkout and cart paths that the automated suite missed, found through exploratory testing and by tracing event-driven flows through service responses and database records.

QA Engineer

Aug 2022 to Aug 2023

Optum (UnitedHealth Group), Atlanta, GA

- Automated and manually verified healthcare payer workflows for member enrollment and benefits using Selenium WebDriver and WebDriverIO.
- Mapped test cases to requirements in qTest for eligibility and claims, improving coverage and making gaps visible before release.
- Validated member and transaction data directly in MySQL, confirming transaction processing saved correct records.
- Verified REST and SOAP integrations in Postman, checking responses and the data exchanged between systems.
- Validated releases through functional, smoke, and regression testing, and worked with developers to isolate root causes and confirm fixes.

Software Analyst

Jan 2022 to Jul 2022

Capgemini, Mumbai, India

- Validated React front ends and Spring Boot microservices end to end, confirming user actions produced the right API responses and database records.
- Verified Kafka message flows to confirm data moved correctly between distributed services.
- Executed functional, integration, and regression tests across the UI and service layers, reported defects, and supported release validation.

Software Analyst

May 2020 to Dec 2021

Gradvantage, Hyderabad, India

- Validated enterprise Java applications across sprint and release cycles, covering functional, API, and backend behavior.
- Developed SQL queries to verify backend data was correct and support end-to-end workflow testing.
- Logged, tracked, and retested defects in Jira with developers and QA, and executed regression and integration tests across the UI and service layers after each change.

EDUCATION

Master of Science, Computer Science, New England College, Henniker, NH

May 2023

Bachelor of Technology, ACE Engineering College, Hyderabad, India

Sep 2021

CERTIFICATIONS

- Introduction to Software Quality Assurance, Board Infinity
- Advanced Java Certification, Manac Infotech