

# Aryan Garg

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## EXPERIENCE

AGL360 – Hakuhodo International

June 2024-Present

### Quality Engineer

- Designed and implemented agile test strategies featuring AI-enhanced automation to reduce post-release defects **by ~40%**, aligning with QA-Ops principles.
- Boosted QA efficiency **by ~60%** through reusable test components, script-less platforms, and low-code test frameworks to accelerate delivery.
- Lower test execution time by 40% while maintaining comprehensive coverage by refactoring existing Playwright regression suites, resulting in faster feedback loops and accelerated development cycles for the team.
- Introduced BrowserStack Low-Code Automation integrated with AI** to reduce manual browser testing effort—accelerating test creation and maintenance, improving reliability, and freeing QA time for strategic testing.
- Conducted API-first validation using Postman, RestAssured, and SQL**, ensuring backend stability and detecting critical integration issues early in the pipeline.
- Authored QA deliverables—RTM, test matrices, and interactive dashboards—**improving traceability and stakeholder visibility**.
- Embedded security and performance scans within CI pipelines**, integrating chaos-testing tactics to enhance system resilience.
- Leveraged HTML, CSS, and JavaScript** to expand test coverage, including accessibility and visual validation checks per SDLC standards.
- Orchestrated containerized test environments via Jenkins, GitHub Actions, and TestOps tools**, enhancing real-time observability of test metrics.
- Mentored junior testers in data-driven test design and QA metrics interpretation**, boosting team efficiency by **18%**.

Mphasis Ltd.

### Quality Analyst

April 2023 – May 2024

- Translated user stories and functional requirements **into 150+ modular, reusable test cases**, enhancing sprint test traceability and coverage.
- Minimized integration defects by 30%** by establishing early pipeline checks and comprehensive pre-release validation, resulting in more stable build deliveries.
- Collaborated in daily scrums, **backlog grooming, and client syncs**, improving requirement alignment and trimming rework by approximately **20%**.
- Executed REST API testing via **Postman** and performed **SQL data integrity checks**, catching **95%** of backend issues before release.
- Logged and tracked test cases, defects, and QA metrics using **JIRA and TCMS**, which decreased defect resolution time by **25%**.
- Enforced STLC/SDLC best practices**, including shift-left testing and peer reviews, resulting in a **15% decrease** in regression defects.
- Automated test scheduling within CI pipelines, saving over **50 manual test hours/month** and accelerating release readiness.

Bebo Technologies

Feb 2022 – March 2023

### Junior QA

- Validated freight management web and mobile systems, improving platform reliability and **reducing post-release support tickets by 25%**.
- Performed **full QA lifecycle tests**, including unit, smoke, functional, localization, and performance checks—achieving 95% test execution coverage across sprints.
- Conducted cross-device testing on **iOS and Android**, ensuring UI and functionality consistency and reducing mobile defects by 30%.
- Administered 300+ scenarios in TestRail**, achieving a 90% test pass rate, and collaborated with developers via JIRA and Eclipse to expedite issue resolution.
- Produced QA documentation**—test plans, traceability matrices, execution reports, and defect summaries—enhancing audit readiness and stakeholder visibility.
- Employed SQL-driven backend validation**, elevating data integrity standards and catching over 200 data discrepancies prior to production.
- Participated fully in **Agile ceremonies**, contributing to backlog grooming and sprint retrospectives—supporting 20% faster delivery cycles.
- Cultivated automation readiness, **actively learning Playwright and Postman scripting** to set the foundation for future automated test frameworks.

## Skills & Strengths

- Testing: Manual Testing, Regression Testing, Security Testing, API Testing, Performance Testing, Cross-Browser Testing, Mobile Testing
- Tools: Playwright, Postman, Docker, Jenkins, GitHub, JIRA, Bugzilla, TestRail, TCMS
- Languages: JavaScript, TypeScript, SQL, Python
- Practices: Agile, Behavior-Driven Development (BDD), User Acceptance Testing (UAT), Software Development Life Cycle (SDLC), Software Testing Life Cycle (STLC), Scrum
- Enhancements: AI-Driven Test Optimization, Automated Regression Suites, Test Data Management, Campaign Analytics

## EDUCATION

MMDU(Ambala)

Bachelor Of Technology (CSE) – 82%

2018 - 2022