Ashish Kumar

Software Development Engineer in Test II (SDET II)

Bangalore, India · ak1545861@gmail.com · linkedin.com/in/as9670 · github.com/Ashishk9670 · ashishk9670.github.io/portfolio

SDET with 5+ years building quality systems for web and mobile products across healthcare and fintech: risk-based test strategy, UI and API automation frameworks, backend validation, CI/CD, and performance testing. Strong expertise in Playwright, Selenium, Cypress, and REST Assured. I use AI-assisted tooling to move faster without cutting corners, and I treat accessibility as a first-class engineering requirement, not an afterthought.

EXPERIENCE

Software Development Engineer in Test II (SDET II) — Triomics Healthcare

Jun 2026 - Present

- Authored the automation suite from scratch for an oncology clinical-trial matching platform, in a HIPAA-regulated environment.
- Define test strategies for critical user journeys across UI, API, and database layers, prioritizing coverage by business risk, customer impact, and integration complexity.
- Lead the automation and QA team, scaling test coverage to cut the product team's testing time and unblock faster releases.
- Use Claude Code and AI-assisted workflows to cut time spent writing and debugging tests by 70%+, and evaluate AI-generated scenarios against business requirements and deterministic assertions before they join the suite.
- Use test execution results, defect trends, and regression coverage to inform release readiness, and turn production incidents into regression tests so they don't recur.
- Onboard new team members with structured product knowledge transfer instead of leaving them to learn the domain unassisted.
- Introduced a mandatory accessibility checklist before any new feature ships to production, and moved the org from twice-yearly accessibility reporting to a monthly review across every product shipped.

Software Development Engineer in Test II (SDET II) — LiveSwitch

Sep 2024 - Mar 2026

- Designed and owned scalable UI and API automation frameworks using Selenium, TestNG, REST Assured, Appium, and BDD (Cucumber) across Chrome, Safari, Edge, Firefox, and Android/iOS.
- Proposed and led the migration of all web automation from Selenium to Playwright, then layered in AI-assisted workflows (Claude Code, Cursor, MCP Server) on top of it to cut regression execution time by ~40%.
- Authored feature-level test plans and test cases, prioritizing coverage by business risk, customer impact, and integration complexity.
- Explored AI-assisted approaches to identify test coverage gaps and improve regression efficiency.
- Onboarded new joiners with product knowledge transfer, a walkthrough of the existing testing landscape, and how to use AI to speed up day-to-day testing work.
- Validated API responses and backend data consistency using SQL queries and schema validation.

- Integrated automated quality checks into CI/CD pipelines (GitHub Actions, Jenkins) for fast feedback on critical workflows, and triaged failures to separate product defects from automation issues, improving regression suite reliability.
- Traced production incidents and customer-reported issues back to regression tests to prevent recurrence, using application logs, error reports, and service metrics to support root-cause analysis.
- Worked with distributed teams in New York City, North Carolina, and Canada, collaborating across time zones.
- Performed API load and performance testing with JMeter to identify bottlenecks and ensure system stability.

Software Development Engineer, Quality — Mastercard Data & Services `Jul 2021 – Sep 2024`

- Led end-to-end testing for a commercial payments rewards platform supporting large-scale transaction workflows.
- Joined requirement reviews with Product and Engineering to define feature-level test strategies and surface edge cases early.
- Built and maintained 1000+ automated test cases using Cypress (JavaScript) and Selenium, achieving 95%+ test coverage across multiple releases.
- Improved defect resolution speed by ~20% by initiating structured QA-Dev syncs and better triaging practices.
- Evaluated release risk using defect severity, critical-workflow coverage, and outstanding issues, and turned production issues into regression tests to prevent recurrence.
- Worked in Agile (Scrum) teams with CI/CD-driven delivery pipelines supporting high-volume commercial payments workflows.
- Worked with globally distributed teams in Singapore, Dublin, Sydney, New York City, and Arlington, collaborating across time zones.
- Mentored interns and new joiners from both a product and quality perspective, aiming to get them contributing within their first month rather than just shadowing.

SKILLS

Languages: Java, TypeScript, JavaScript, C++

Test Automation: Playwright, Selenium, Cypress, TestNG, Appium, REST Assured, Cucumber, Android Studio, Xcode, Node.js

Testing Disciplines: UI Testing, API Testing, Regression, Smoke Testing, Performance (JMeter), Load Testing (k6), Contract Testing (Pact), UAT, Integration Testing, Cross-Browser Testing, E2E Testing, Chaos Testing, Accessibility (WCAG), Internationalization (i18n)

Platforms: Web, Android, iOS, macOS, Windows

CI/CD & Cloud: GitHub Actions, Jenkins, Azure DevOps, Docker, AWS

Data & Observability: MySQL, PostgreSQL, MongoDB, Redis, Sentry

Version Control & PM: Git, Bitbucket, Jira, TestRail

AI-Assisted Development: Claude Code, Cursor, GitHub Copilot, MCP Server, ChatGPT

AI Testing & Evaluation: LLM Testing, RAG Evaluation, Evals, MCP

EDUCATION

National Institute of Technology, Warangal

CERTIFICATIONS

Cypress End-to-End JavaScript Testing

Bachelor of Technology · 8.69 CGPA · 2017–2021

HackerRank – Problem Solving