

BAL MUKUND TIWARI *Senior QA Engineer*

bmukund.official@gmail.com • +971 525612073 • Dubai, UAE • [linkedin.com/in/balmukundtiwari](https://www.linkedin.com/in/balmukundtiwari)

SUMMARY

Senior QA Engineer / SDET with 10 years across e-commerce, hospitality (PMS), and publishing. Building QA from zero process into successful team practice. Led QA for enterprise releases. Setting up, managing E2E, integration, UI and API automation tests. CI/CD and introduced mutation testing to catch weak assertions before release. Uses LLMs and agentic workflows for test generation, failure analysis, and flaky-test triage.

TOOLS USED:

- **Testing & Automation:** Playwright • Selenium • Appium • WebdriverIO • Cypress • Postman • Docker • K6 • Meticulous • Allure • Figma
- **Languages:** JavaScript • TypeScript • Python • GraphQL
- **Cloud & CI/CD:** AWS • GitHub Actions • Jenkins
- **Monitoring & Analytics:** Datadog • Groundcover • Google Analytics • Firebase • Azure Databricks • Snowflake
- **Project Management:** Jira • Linear

SKILLS

QA Leadership & Strategy: QA Leadership • QA Strategy • Test Automation Strategy • Client-Facing Communication • Context driven testing

Testing Practices: E2E Testing • Smoke Testing • Exploratory Testing • API Testing • Performance Testing • Load Testing • Accessibility Testing • BDD, Gherkin

Automation & AI: Agentic Test Generation • AI-Assisted QA Automation • Test Design Patterns • Mutation Testing • Tool Evaluation

WORK EXPERIENCE

Canary Technologies, Senior QA Engineer

03/2025 – Present | New York, NY (Remote)

- Joined as the first dedicated QA hire, set up QA processes org wide, interviewed incoming QA engineers, and helped the team grow to 5 engineers.
- Led Agentic test-generation work that turns QA plans into Playwright tests and reads Django URL/view files to generate fixture-backed Python API tests, with automated review before human sign-off.
- Led quality for 35+ launches of the check-in stack across kiosk, auto check-in, payment terminals, and key-encoder hardware, with zero critical defects after release.
- Expanded GitHub Actions from unit-only checks to unit, integration, and Playwright E2E coverage, added standards for naming, locators, and flaky-test detection, and reduced the hourly run from 12 minutes to 7 through sharding.
- Successfully Introduced mutmut-based mutation testing for changed functions in each pull request, with full scheduled runs to expose weak assertions that line coverage missed.
- Reduced flaky-test triage time to instant Slack alerts and email summaries by using Claude-powered analysis of failures and API responses to classify failures as product bugs, environment issues, or flaky tests, with likely cause and suggested fix.

EkAnek Networks Pvt Ltd, Senior QA Engineer

11/2019 – 02/2025 | Abu Dhabi, UAE

- Led and mentored 3 QA engineers across 8 projects, owning test planning, release readiness, and quality sign-off for Android, iOS, web apps, and websites.
- Maintained 99.9%+ crash-free rate, kept ANR below 1.3%, and delivered 99%+ releases with zero critical defects.
- Built and maintained a 400+ case automation suite for React Native mobile and web apps using Appium, XCUITest, JavaScript, WebdriverIO, and Allure, using Page Object Model (POM), fixtures, and custom helpers.

- Owned the QA cycle for 49 app releases during a 60-day A/B testing push, giving product and marketing the fast release feedback needed to improve onboarding conversion from 3% to 46%.
- Built Playwright API automation, integrated it into CI/CD for hourly runs, and used Allure reporting to make failures and release readiness visible earlier.
- Used JMeter performance and stress testing to catch race conditions and API latency spikes up to 23 seconds, driving AWS scaling and caching changes before release.

Juggernaut Books Pvt Ltd, QA Engineer

05/2018 – 11/2019 | India

- Built automated test suites for Android, iOS, and web, cutting testing time 30% and increasing release frequency.
- Led DRM integration testing for eBooks across mobile and web, catching a pre-launch licensing bug that would've allowed unauthorized playback, protecting revenue and avoiding a compliance audit.
- Performance-tested 30 APIs with JMeter against response-time thresholds, catching slow endpoints before they hit production.
- Owned the Hotjar/New Relic monitoring cycle, from rage clicks and crash hotspots to driving fixes with engineering, improving the user experience.

Ebizon Netinfo Pvt Ltd, Testing Analyst

11/2016 – 05/2018 | India

- Managed entire Testing lifecycle from Requirement Analysis through to Test Case development and test cycle closure, ensuring thorough quality assurance and reducing post-release defects.
- Authored user stories, documented test cases, and generated QA reports for client projects
- Built status reports that gave stakeholders a clear, real-time view of testing progress, so they could make decisions without chasing updates.

EDUCATION

Bachelor's in Technology,

2011 – 2015 | India

Dr. A.P.J. Abdul Kalam University, India