

Anita Pal

Quality Engineering Lead | Test Architecture & Automation

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PROFESSIONAL SUMMARY

Quality Engineering Lead with 8+ years designing QA operating models, automation frameworks, suite strategies and CI/CD execution across web, mobile, API, data and IoT products. Combines hands-on engineering with risk-based planning, release governance, peer enablement and production quality.

EXPERIENCE

Sr. QA Engineer / QA Lead | Programming.com (Ingersoll Rand)

Mar 2025 - Feb 2026

MyIngersollRand Customer Portal and Connectivity Portal - industrial IoT, dealer access and asset services.

- Designed the QA operating model from scratch: STLC, master strategy, suite taxonomy, release-risk documentation, defect workflow and production sign-off.
- Participated in sprint planning, estimation, scope and acceptance-criteria discussions; facilitated Daily Standups when scheduled through the shared rotation, allocated QA work and supported QA peers with Playwright and test strategy.
- Architected and built a reusable Playwright hybrid framework and GitLab CI/CD execution model as an IC, including commit triggers, nightly regression and APIRequestContext service checks.
- Validated Salesforce LWC workflows, Helix telemetry, alarms, asset documents, MuleSoft payloads, Preview Apps and data synchronization across Salesforce, GCP and OCI integrations.
- Verified RBAC and data segregation through predefined database-UI queries; led an emergency risk-based E2E checkout regression for a critical e-commerce production patch.

Sr. QA Engineer | Synez Technologies (Vitaccess)

Oct 2023 - Mar 2025

Vitaccess Real digital health platform - patient-reported outcomes, surveys and mobile care workflows.

- Established the pod QA model under QA leadership, then owned day-to-day quality planning, suite governance, work allocation and release-readiness using Azure DevOps, Notion and Azure Test Plans.
- Architected and coordinated web and mobile automation layers using Cypress JavaScript and WebdriverIO/Appium, with Azure Pipelines triggered through GitHub pull requests.
- Validated DynamoDB/PostgreSQL data updates, patient/caregiver forms, OTP authentication, scheduled emails with Litmus, localization and preview-app pull-request builds.
- Performed Cypress-axe WCAG 2.1 checks, Burp Suite baseline security testing, Chrome DevTools/Postman API investigation, Azure log analysis and BrowserStack cross-platform validation.

QA Engineer / Interim QA Lead | Airmeet

Oct 2021 - May 2023

Virtual events, webinars, live streaming, subscriptions, recordings and interactive attendee experiences.

- Progressed from mentored onboarding to independent feature/release ownership; served as interim QA Lead, coordinated cross-pod releases, sprint planning, on-call support and QA resource allocation.
- Tested closed captions, OBS/YouTube/Facebook streaming, Mux recordings, Social Lounge, speed networking, breakout rooms, booths, sponsors, templates, feature flags and subscription migrations.
- Contributed QA, maintainability and testability inputs during framework architecture trade-off discussions, then added reusable JavaScript modules to the existing Cypress hybrid framework; validated REST, WebSocket and GraphQL traffic using DevTools/Swagger and investigated AWS failures through New Relic and ELK/Kibana.
- Seeded and verified Postman, Amazon RDS, DynamoDB and Firebase data; validated GTM/GA analytics, localization, Litmus email compatibility and BrowserStack web/mobile coverage.

QA Engineer | Alpha & Beta Innovation Pvt. Ltd. (Client: Airmeet)

Nov 2020 - Sep 2021

Client engagement on the Airmeet event platform before transitioning to the direct role.

- Executed functional, regression and integration testing across registration, breakout rooms and chat moderation, with BrowserStack cross-browser/device coverage.
- Validated REST responses and application data, investigated production-impacting defects and contributed test scope and risk updates during sprint planning.

SDET / Freelance Consultant | uTest, Digivante, Testbirds, Testpoint and other platforms

Apr 2019 - Oct 2020

EdTech, e-commerce, payment apps, music, gaming, subscriptions and WordPress.

- Established a client QA function from scratch, defining delivery standards, test strategy, defect governance, mentoring and web/mobile execution practices.
- Developed and tested WordPress sites as an IC; tested live video tutoring, payment and subscription flows, music and mobile games, and debugged device/network behaviour using Charles Proxy.
- Architected fit-for-purpose automation solutions through Appium and framework POCs, built reusable utilities and introduced lightweight GitHub CI hooks.

QA Engineer | Kalinga Testing Instruments Pvt. Ltd.

Jan 2017 - Mar 2019

Contact-management system and embedded IoT testing instruments.

- Designed functional test suites; contributed Selenium WebDriver, Java, TestNG and POM regression tests and monitored Jenkins CI/CD execution.
- Validated IoT data capture, firmware connectivity, reports, SQL CRUD data, cross-browser UI and REST status/response consistency; documented defects with reproducible evidence.
- Participated in sprint planning, story estimation and Daily Standups.

TECHNICAL SKILLS

Test Architecture and Automation: QA operating models, suite taxonomy, Playwright, Cypress, WebdriverIO, Appium, Selenium, JavaScript, Java, POM, BDD

API, Data and Observability: Postman, Swagger, DevTools, APIRequestContext, REST, WebSocket, GraphQL, SQL, PostgreSQL, DynamoDB, Firebase, New Relic, ELK/Kibana

CI/CD, Governance and Delivery: GitLab CI/CD, Azure Pipelines, GitHub, Jenkins, release gates, risk-based planning, Jira, Confluence, Shortcut, Notion

Platforms and Quality Coverage: AWS, GCP, OCI, Salesforce, MuleSoft, BrowserStack, Litmus, Charles Proxy, Burp Suite, WCAG 2.1, localization, RBAC

EDUCATION

B.Tech - Computer Science and Engineering | AKTU, Lucknow | 2012 - 2016