

SYED FARAZ AHMED

Senior QA Engineer | Manual & Automation Testing | API • Performance • Database Testing
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PROFESSIONAL SUMMARY

Senior QA Engineer with over 4 years across the full quality stack — manual, automation, API, database and performance testing — including two and a half years working fully remote with a US-based team, and progression from SQA Engineer to QA Team Lead to Senior SQA Engineer. Automates in Cypress, Playwright, Selenium (Java + TestNG) and Appium; validates data with SQL against live databases; load-tests with JMeter and K6. Defines QA strategy and owns defect lifecycle and release sign-off in Agile/Scrum teams, and builds the tooling behind the testing: a Playwright-driven verification platform in use at KoderLabs, cross-platform web-to-mobile end-to-end automation, and a mobile automation engine. Available for fully remote roles with US and European time-zone overlap.

SELECTED HIGHLIGHTS

- **Builds QA tooling, not just tests:** Spruce Verifier (Playwright-driven verification platform, built at KoderLabs), GravityQA (AI-native test automation platform) and Graviton (Appium-replacement mobile automation engine — five-component Phase 1 delivered end to end).
- **Automated a complete product journey across platforms and three user roles:** customer and property-manager creation and booking on web, handing off mid-run to mobile automation where the service pro logs in, confirms the booking and progresses its status.
- **Two and a half years fully remote with a US team:** async delivery, US-hours overlap and release ownership across time zones — plus an Outstanding Performance Award at vativeApps for QA leadership and delivery impact.

CORE QA SKILLS

Testing Types: Manual, Functional, Regression, Smoke, Sanity, Integration, End-to-End, Exploratory Testing, UAT, Cross-Browser, Mobile App Testing (Android/iOS), Data Migration Testing

Test Automation: Cypress, Playwright, Selenium WebDriver (Java + TestNG), Appium, Automation Framework Design, Data-Driven Testing, Regression Suite Automation

API Testing: Postman, REST API Testing, Swagger / OpenAPI, REST Assured, GraphQL Testing, Request/Response Validation **Database**

Testing: SQL, SQL Server, PostgreSQL, Database Testing, Data Validation, Query Writing, Data Integrity Verification **Performance**

Testing: Apache JMeter, K6, Locust, Load Testing, Stress Testing, Performance Bottleneck Analysis

Test Management & Defects: Jira, TestRail, Test Plans, Test Case Design & Execution, Bug Reporting, Defect Lifecycle Management, Root Cause Analysis, Release Sign-off

Debugging & Device Labs: Chrome DevTools, Charles Proxy, Fiddler, Firebase Crashlytics, BrowserStack, Sauce Labs, LambdaTest • Methodologies: Agile, Scrum, SDLC, STLC, Sprint Planning, Backlog Grooming, Shift-Left Testing

QA Tooling & Development: Git, GitHub, Python, JavaScript, Java, Node.js / Express, React, gRPC / Protobuf, Test Tooling Development

PROFESSIONAL EXPERIENCE

Senior SQA Engineer | KoderLabs

April 2026 – Present | Karachi, Pakistan • Web & Mobile Applications, System Revamp / Data Migration

- Designed and built Spruce Verifier, an internal verification platform where a single click triggers Playwright automation: it logs into the product, pulls records straight from the PostgreSQL database, validates them against the UI and captures screenshot evidence, replacing manual record-by-record checking of customer and booking data.
- Automated a full-system sanity flow spanning web and mobile across three user roles — customer, property manager and service pro — validating the entire cross-platform booking journey, from creation through “On the way”, in a single run.
- Architect database validation strategies and build custom SQL scripts that verify data integrity across multiple databases during large-scale system migrations, protecting against data loss and mismatch between legacy and modern systems.
- Design, develop and optimise automation frameworks in Cypress, Playwright and Appium, expanding repeatable automated regression coverage across web and mobile platforms.
- Execute end-to-end REST API testing in Postman, validating payloads, status codes, error handling and negative scenarios to confirm backend reliability before UI sign-off.
- Lead functional, regression and exploratory testing across complex web and mobile applications, owning test coverage, defect lifecycle in Jira and release readiness for multiple concurrent products.
- Collaborate with Product, Engineering and DevOps in Agile ceremonies to align quality gates with delivery timelines, and contribute to organisation-wide test strategy, QA process standardisation and automation adoption.

SQA Team Lead | vativeApps

April 2025 – April 2026 | Karachi, Pakistan • Entertainment, Social Networking & Food-Delivery Products (Mobile + Web)

- Owned the end-to-end QA lifecycle for multiple mobile and web products across entertainment, social networking and food-delivery domains, turning business objectives into testable acceptance criteria with Product, Development and Design.
- Defined QA strategy, test plans, execution roadmaps and release validation criteria; ran pre-release risk assessments and held final production sign-off authority for critical releases.
- Led and mentored the QA team — allocating test ownership, reviewing test artefacts and raising the consistency and depth of defect detection.
- Designed structured regression suites for web and mobile and automated them with Appium (Android, incl. the MOTIV app) and Cypress (web and admin panels), replacing ad-hoc release checks with a repeatable process and cutting repetitive manual effort each cycle.

- Ran performance and load testing on business-critical production features using JMeter and K6, identifying bottlenecks before they reached end users.
- Recognition: Awarded Outstanding Performance Award and Certificate of Appreciation for QA leadership and delivery impact.

SQA Engineer → SQA & Project Coordinator | DevDefy

September 2024 – December 2025 | Karachi, Pakistan · Logistics & Shipment-Tracking PlaVorms (Web + Mobile)

- Built the automation framework for the LoadSecure logistics web platform using Selenium WebDriver (Java + TestNG) and Cypress, writing data-driven scripts and end-to-end suites that were structured, reusable and maintainable.
- Led manual and automation testing for logistics and shipment-tracking platforms across web and mobile clients.
- Performed API testing for shipment workflows and third-party integrations, validating data flow and error handling between services.
- Executed mobile testing covering GPS tracking validation, offline sync and interrupted-connectivity scenarios — the highest-risk failure areas for logistics applications.
- Drove sprint quality through Agile ceremonies — refinement, sprint planning, stand-ups and retrospectives.
- **From April 2025, continued part-time / hybrid as SQA & Project Coordinator** alongside the QA Team Lead role at vativeApps — translating business requirements into technical tasks and acceptance criteria, and coordinating developers, QA, designers and stakeholders to protect delivery timelines.

SQA Engineer | VeriStack Solutions

February 2022 – August 2024 | United States · Fully Remote · Web & Backend PlaVorms

- Executed end-to-end functional, regression, API, database and exploratory testing as part of a fully remote, US-based engineering team.
- Built automation scripts in Python, Node.js, Playwright, Cypress and Selenium, and developed reusable scripts and utilities that automated repetitive QA workflows.
- Performed load, stress and performance testing using k6 — generating concurrent user load and analysing bottlenecks ahead of release.
- Validated APIs, database integrity, UI flows and backend data consistency end to end.
- Managed defect lifecycle and release validation in Jira, working closely with developers and product teams.
- Improved regression coverage, test efficiency and release quality through automation and QA process improvements.

PROJECTS

GravityQA — AI-Native Test Automation Platform | Founder & Sole Developer

Tech Stack: React, Python (FastAPI), Appium, Playwright, Selenium, Electron (macOS desktop app)

- Conceptualised and independently built an AI-native test automation platform for web and mobile testing, owning the full architecture — frontend UI, backend APIs, automation engine integration and desktop packaging.
- Built Android & iOS device management for real-device execution, a visual Automation Wizard that records mobile interactions (tap, swipe, type), and a Flow Playback engine for repeatable regression runs.
- Engineered AI-powered code generation converting recorded flows into runnable Python/Appium, Java and JavaScript scripts; integrated Playwright and Selenium for web automation; and built a Test Management Suite (dashboards, execution history, reporting) plus an API testing module.

Graviton — High-Performance Mobile Automation Engine | Founder & Sole Developer

Tech Stack: Python, Node.js + TypeScript, gRPC + Protobuf, uiautomator2, ADB, PostgreSQL, Redis · Core engine of the GravityQA plaVorm · In active development (Phase 1 complete)

- Designing and building a mobile automation engine as a drop-in Appium replacement, using persistent gRPC streams and Protobuf in place of per-command HTTP/JSON — targeting ~50–150 ms command round-trip against Appium's typical 200–500 ms.
- Delivered Phase 1 end to end across five components: Device Manager (Android/ADB), Session Orchestrator (uiautomator2), REST API Gateway, Python client SDK and an Appium-interchangeable adapter — each with its own test suite, typed errors and structured logging.
- Built a Locator Service providing smart, self-healing locators (AST-indexed accessibility tree with element hash caching) that auto-repair when the UI changes, directly targeting the brittle-locator problem that breaks most mobile suites.
- Built a Recorder Service that turns captured session commands into runnable Python scripts, and designed an adapter-based migration path (DRIVER=appium → DRIVER=graviton) so existing Appium suites switch by config flag with no test rewrite.

Spruce Verifier — Automated Verification Platform (Web + Data) | Designer & Developer

Tech Stack: Playwright, Node.js + Express, React (Vite), PostgreSQL, SQL · Built at KoderLabs for a US property-services plaVorm

- Implemented a fetch → normalise → compare → report pipeline in Node.js reconciling customer, booking and market records across sources, plus a SQL report verifier running pre-built or custom queries with summary statistics (row counts, totals, min/max, trend charts) and drill-down templates.
- Enforced read-only database safety in the backend — only SELECT and WITH permitted, with DROP, DELETE, UPDATE, INSERT, ALTER and CREATE blocked — behind a React (Vite) UI for connection management and query execution.

EDUCATION & CERTIFICATIONS

Bachelor of Science in Computer Science | Salim Habib University

Karachi, Pakistan · Vice Chancellor's Honor List (2022)

Certifications: Software Quality Assurance, Hazza Institute of Technology (2023) • IT Project Management, Udemy (2023) • Ethical Hacking, Udemy (2023)