

Ahmad Waqar

QA Automation Lead | Test Framework Specialist

📍 Dubai, United Arab Emirates 📞 +971 55 970 6595 ✉ khawjaahmad@gmail.com 🔗 <https://ahmadwaqar.dev>

[in khawjaahmad](#) [🌐 khawjaahmad](#) [🍷 ahmad-waqar](#)

Summary

QA Automation Lead with over 12 years of experience in **automation** scripts and designing scalable **test frameworks** for mobile, web, APIs, and performance. I architect solutions that ensure **business impact**, blending QA strategy with engineering for **clean architecture**. Passionate about driving quality and targeting testing architect roles.

Skills

Automation & Testing Tools

Playwright, Flutter Patrol, Cypress, Selenium, Espresso, XCUITest

Test Architecture

Page Object Model, Component Architecture, Cross-platform Testing, Modular Test Design, Custom Frameworks

API & Performance

REST API, GraphQL, K6 Performance, Load Testing, Postman, Rest Assured, Contract Testing

Advanced Testing Techniques

OCR Verification, DOM Traversal, JSON Schema Validation, State Management, Data-Driven Testing, Visual Testing

Programming Languages

TypeScript, Python, JavaScript, Java, Kotlin, Dart, Swift

CI/CD & DevOps

GitHub Actions, Azure DevOps, Firebase Test Lab, BrowserStack, AWS Device Farm, Lambdatest

Leadership

Team Leadership, Test Strategy, Stakeholder Management, Technical Mentoring, Test Process Optimization, Cross-functional Collaboration

Project Management

JIRA Administration, Agile Methodologies, Test Planning, Resource Allocation, Risk Management, Quality Metrics

Experience

Tradeling

Senior QA Mobile Automation Engineer

Dubai, United Arab Emirates

11/2023 - Present

Tech Stack: Flutter (Dart), Patrol Package, Playwright, K6 (TypeScript), Python

- Migrated automation from React Native to Flutter by building a Dart-based integration test framework using Patrol, with CI/CD execution via GitHub Actions and Firebase Test Lab for scalable, cross-platform validation.
- Architected the Apex UI Engine, an enterprise-grade framework that auto-validates dynamic UI against API data with high precision, eliminating most manual testing and catching **25+ critical data** inconsistencies pre-release.
- Migrated Java REST Assured E2E tests to a single TypeScript K6 script for functional, load, and browser testing, integrated into Grafana Cloud dashboards, unifying test suites and streamlining CI/CD workflows.
- Built the Deep Link Validation Architecture for intelligent parallel cross-platform testing, boosting thoroughness by 85% and cutting cycle time by **60%**.

Malwarebytes

Senior Software Development Engineer in Test

Tallinn, Estonia

07/2023 - 10/2023

Tech Stack: Jetpack Compose, ComposeTestRules, Espresso, Firebase Test Lab

- Automated the Android app using Jetpack Compose tests (ComposeTestRules), ensuring critical workflows execute with high reliability.
- Achieved **95% test coverage** for licensing workflows by leading UI automation with Playwright for internal back-office platform, streamlining releases and reducing regressions.
- Implemented advanced test orchestration in Azure DevOps, improving traceability by 30% and enabling structured cross-team collaboration through artifact management.

Ekar
QA Automation Lead
Dubai, United Arab Emirates
03/2021 - 05/2023

Tech Stack: Appium (Java), Runscope, JavaScript, Cypress

- developed a cross-platform mobile testing architecture using Appium, creating a modular framework with **85% automation coverage** and mentoring a team of 5 QA engineers.
- Built cloud testing infrastructure with SauceLabs, supporting 15+ device configurations for parallel validation, significantly accelerating release cycles.
- Led architecture and development of an enterprise API testing framework using JavaScript (Postman & Runscope), automating 72+ endpoints and reducing regression testing time from days to hours.

Mashreq Bank
Sr. QA Automation Engineer
Dubai, United Arab Emirates
09/2019 - 02/2021

Tech Stack: Appium, Java, Rest Assured, Selenium

- Developed a unified automation framework for mobile and web, enhancing test coverage and streamlining regression testing.
- Validated critical payment and remittance flows, ensuring error-free transactions and improving user satisfaction.
- Integrated automated tests into Azure DevOps pipelines, accelerating release cycles and maintaining quality gates.

Projects

StoryCred - Developer Accountability Heatmap Improving sprint retrospectives with 80%+ mapping accuracy 2025	Dynamic Web UI Validation Framework Framework for automated UI content validation with 95% accuracy 2025
Mobile App Deep Link Validator iOS & Android app validation system with 60% faster execution 2024	API Automation Framework - K6 TypeScript Led migration from Java to K6 with 40% reduction in maintenance 2024
3D Graph Visualizer - React Three Fibre Built a glowing, interactive 3D graph using React and Three.js with smooth animations and TypeScript 2024	Cypress plugin - Test Data Generator A Cypress plugin for generating dynamic test data to enhance and streamline end-to-end testing 2024

Education

The University of Lahore Computer Science MS, Computer Science 2014 - 2016	Forman Christian College University Software Engineering BS, Computer Science 2009 - 2013
--	---

Awards

UAE Golden Visa
United Arab Emirates
2022
UAE Golden Visa for **exceptional talent** in software engineering

Employee of the Year
Mashreq Bank
2020
Awarded for successful delivery of KYC, UB Tablet, and Mashreq digital channels