

Mohamed Elaadly

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SUMMARY

ISTQB-certified QA Engineer (Foundation, Test Automation Engineering, Performance Testing, Automotive) with 5+ years testing web, mobile, and API systems across fintech payments, automotive safety, and AI/ML products. Currently lead QA for Botim Astra Tech's merchant acquiring & payment core platform, covering CIT/MIT-compliant payment flows (the Visa/Mastercard stored-credential framework), recurring/tokenized payments, dynamic currency conversion (DCC), card data integrity, and the merchant-facing admin portal — where I raised automated test coverage from 60% to 87% and mentor a team of three engineers. Built automation frameworks in Playwright, Appium, and REST Assured across Java and Python, and have validated AI systems (static analysis, NLP, classification) for correctness beyond fixed-answer testing. Comfortable owning quality end-to-end: test strategy, framework architecture, CI/CD integration, and defect triage in Agile teams with distributed stakeholders (Germany, Romania, UAE, Egypt).

 I am a professional lecturer that explains ISTQB certificates and software testing concepts — short clips on LinkedIn, also featured on my portfolio: **Error vs. Defect vs. Failure vs. Root Cause** · **6 Performance Testing Types** · **ISTQB CTFL Chapter 3: Static Testing** · **A Small Defect Can Be a Financial Incident** — [watch at mohbasem25.github.io/#videos](https://watch.at.mohbasem25.github.io/#videos)

EXPERIENCE

Quality Assurance Engineer — Botim Astra Tech

Dec 2025 – Present | Abu Dhabi, UAE | Botim Mobile Banking & Digital Payment Platform

- Lead QA for Botim Astra Tech's merchant acquiring & payment core platform, covering CIT/MIT-compliant payment flows (Visa/Mastercard stored-credential framework), recurring/tokenized (subscription) payments, and dynamic currency conversion (DCC) across millions of transactions.
- Test the merchant-facing admin portal (DCC/rebate detail views, statement and report downloads, merchant auth configuration) alongside backend APIs, databases, and card BIN data-integrity pipelines.
- Designed and executed test coverage spanning API, database, portal UI, and reporting layers — including DCC rebate/markup calculation, multi-currency settlement, and statement/reporting system performance.
- Built and scaled automation suites (Playwright, Appium, REST Assured) in Java with TestNG and Cucumber BDD, raising automated test coverage from 60% to 87%.
- Identified and drove to resolution production-impacting defects across the stack, including a SQL-injection input-validation gap in a card-data pipeline, multiple currency/configuration edge cases in DCC rebate calculation, and data-integrity issues in automated reporting/notification pipelines.
- Integrated the full automated suite into Jenkins CI/CD, combining cross-browser frontend, portal, and backend API verification in a single pipeline.
- Mentor three junior QA engineers on framework design, test strategy, and automation best practices.

QA Engineer, DMS Modernization for ING Group — SEITech Solutions

2025 | Enterprise Document Management System

- Led end-to-end QA for a strategic document management platform processing business transactions and generating reports.
- Designed and implemented a test automation framework using Selenium, REST Assured, and Cucumber — 500+ automated test cases integrated into CI/CD, cutting regression testing from 5 days to 8 hours.
- Performed backend/API testing and load/performance testing; collaborated with cross-functional teams in Germany and Romania to optimize quality processes.
- Used Python, GitLab CI/CD, and Google Cloud Platform to ensure system reliability, scalability, and maintainability.

AI Software Testing Engineer — SEITech Solutions GmbH

Jan 2025 – Dec 2025 | Stuttgart, Germany

- Validated three production AI systems end-to-end — a MISRA C/C++ static-analysis model, an NLP requirements-consistency checker, and a Gmail-connected email classifier — each requiring a distinct testing strategy beyond fixed-answer assertions.
- Measured precision/recall of an AI static-analysis tool against graded C/C++ test files with mixed rule violations, covering MISRA rule groups 8.x, 10.x, 11.x, 15.x, 20.x, and 21.x.
- Validated an NLP tool checking SYS.2/SWE.1 requirements against ASPICE Base Practices BP1–BP4 for feasibility, verifiability, atomicity, and consistency; identified logic gaps and false positives that fed back into model tuning.
- Tested an AI email-classification system (Inquiry/Order/Complaint/Other) plus an automated Excel-extraction engine, covering classification accuracy, corrupted-file handling, and multilingual input.
- Ran functional, performance, and security testing — including malicious-input and large-file stress cases — producing structured bug reports that improved model reasoning.

Automotive Software Testing Engineer — SEITech Solutions GmbH

Sep 2023 – Dec 2024 | Smart Village, Egypt

- Conducted Radar SIL testing for Porsche using the HELLA Cassandra tool for over a year; reproduced safety-critical Radar–Camera–LiDAR discrepancies across 3,000+ hours of vehicle data, reducing validation cycle time by ~20%.
- Built Python tools to visualize Radar/RDG detections in road scenarios, cutting triage time by ~30% and accelerating defect reproduction in SIL.

- Developed and executed BMW On-Board Communication (OBC) test specifications using CAN, LIN, and Ethernet, achieving >90% requirements traceability.
- Authored Euro NCAP-based ADAS test specifications for VinFast and performed HIL testing with Vector Dyna4, achieving >85% coverage across AEB, LKA, and ACC features.

Embedded Software Development & Integration Engineer (Intern) — Valeo Egypt

Oct 2022 – Jul 2023 | Giza, Smart Village, Egypt

- Designed and implemented a remote diagnostics system (Telematics V2I communication) based on Classic AUTOSAR.
- Integrated AUTOSAR Memory, Communication, and Diagnostics Stacks onto hardware; led CAN, CAN-IF, DEM, and DCM module development, integration, and unit testing.

EDUCATION

Bachelor of Electronics and Communications Engineering — Mansoura University

Sep 2018 – Jul 2023 | Mansoura, Egypt | Final grade: 88.98% — Excellence with Honors (ranked 7th)

CERTIFICATIONS

- ISTQB Certified Tester – Foundation Level (CTFL) — Nov 2023
- ISTQB Certified Tester – Automotive Software Tester (CT-AuT) — Dec 2023
- ISTQB Certified Tester – Test Automation Engineer (CTAL-TAE) — Aug 2025
- ISTQB Certified Tester – Performance Testing (CT-PT) — Sep 2025
- Manual & Full Automation QA Diploma — IMT School, Dec 2020

SELECTED PROJECTS

[qa-playwright-ui](#)

TypeScript + Playwright UI automation, Page Object Model, 39 tests across login/inventory/cart/checkout, cross-browser CI (GitHub Actions).

[qa-appium-mobile](#)

Java + Appium native Android automation, Page Object Model, 30 tests across login/catalog/cart/menu, emulator-based CI.

[qa-api-restassured](#)

Dual-track API testing: REST Assured + TestNG (Java) and Postman/Newman, ~30 tests including JSON schema validation and CI.

[qa-manual-testing](#)

160+ manual test cases applying ISTQB techniques (equivalence partitioning, BVA, decision tables), bug reports, and a requirements traceability matrix across checkout, payment, and wallet (P2P/bill-pay) scope.

[qa-payment-gateway-stripe](#)

REST Assured + Postman/Newman against Stripe's real test-mode API, 30 tests: payment intents, refunds, decline codes, idempotency, and the 3D Secure automation boundary.

[qa-performance-testing](#)

k6 + JMeter load testing (baseline, spike, soak, concurrent-refund race condition) against a self-contained mock payment service; all results are real measured local-run numbers.

[qa-payment-security-testing](#)

OWASP API Security Top 10 applied to a payment API: 5 real findings (IDOR, broken auth, data exposure, injection, forged webhooks) independently confirmed exploitable, with a professional findings report.

[qa-ml-model-evaluation-testing](#)

Precision/recall/F1 benchmarking of a real Hugging Face sentiment model across 74 hand-curated cases: 81.8% overall accuracy, with sarcasm accuracy dropping to 25% — plus adversarial/robustness and fairness-probe testing.

[qa-llm-testing-framework](#)

LLM output testing: consistency, structured-output validation, prompt-injection resistance, hallucination spot-checks, and refusal-boundary testing — 5 real findings independently verified via actual test runs.

SKILLS

Test Automation:	Playwright, Selenium, Appium, TestNG, Cucumber (BDD), Pytest, Robot Framework
API & Backend:	REST Assured, Postman, SQL, MongoDB, MySQL, JMeter
Languages:	Java, Python, JavaScript, C, C++, CAPL
CI/CD & Collaboration:	Jenkins, GitHub, GitLab, Bitbucket, Jira, Confluence, PTC, Grafana, Airflow, Bamboo

LANGUAGES

Arabic (native) | English (C1 — listening, reading, spoken production, spoken interaction, writing)