

MOHAMED TAREK

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PROFESSIONAL SUMMARY

Detail-oriented and results-driven QA Automation Tester with an ISTQB CTFL v4.0 certification and a robust background in Mechatronics Engineering. Expert in designing, building, and executing comprehensive test scripts and scalable frameworks using **Selenium, Cucumber (BDD), and Jenkins CI/CD pipelines**. Proven track record in requirement analysis, microservices/API validation, backend database testing utilizing advanced SQL queries, smoke/regression suite management, and crafting precise Test Summary Reports. Adept at driving quality and efficiency for complex multi-modular workflows within fast-paced global team environments.

CORE TECHNICAL SKILLS

Automation Frameworks	Selenium WebDriver, Cucumber (BDD), TestNG, Cypress, PyTest, Maven, Apache POI
APIs & Databases	Postman, REST Assured, SoapUI, API Validation, SQL Queries, Database Testing
CI/CD & DevOps	Jenkins, Git, GitHub, BrowserStack Cloud Infrastructure
Methodologies & Tools	Agile/Scrum, Software Testing Life Cycle (STLC), Jira, Bug Lifecycle Management, Smoke Testing, Regression Testing
Domain Competence	Complex Multi-Modular Processing Workflows, Interrelationship Mapping, Technical Documentation, Cross-Border Collaboration

PROFESSIONAL WORK EXPERIENCE

Software QA Engineer | FABRITEC Enterprise SaaS Platform Dec 2025 – Apr 2026

- Analyzed complex, multi-modular business and functional requirements to determine appropriate test strategies and maximize workflow quality coverage.
- Prepared comprehensive test scenarios, structural test cases, and documented clear test execution results early in the STLC.
- Conducted regular smoke testing and automated validation scripts to confirm feature readiness and assure alignment with core business expectations.
- Performed detailed analysis of workflow execution results to author detailed Test Summary Reports for cross-functional stakeholders.
- Collaborated proactively with global product stakeholders during Agile sprints to triage high-priority defects via Jira, accelerating overall release timelines.
- Executed backend data reviews and system audits (RBAC roles, token authorizations) utilizing BrowserStack to secure sensitive data flows.

QA & Automation Engineer (Contract) | E-commerce & Real Estate Platforms Apr 2025 – Oct 2025

- Designed, built, and executed a scalable Page Object Model (POM) web automation framework using **Selenium WebDriver, Cucumber, and Java**, decreasing full regression suite testing times by 30%.
- Integrated automated end-to-end regression suites smoothly within **Jenkins CI/CD pipelines** for continuous, automated quality feedback loops.
- Engineered automated API validation suites to verify microservice interfaces, validating data payload mappings and consistency across XML/JSON structures.
- Utilized **Postman** and **SQL** queries to perform database structure validations and query data records, ensuring correct state retention.

- Led specialized localization validation initiatives across Arabic/English components, resolving 9 complex cross-border logic exceptions to ensure successful production launch.

TECHNICAL & AUTOMATION PROJECTS

API & Microservices Automation Suite (BigCommerce & Custom Integrations)

- Architected fully automated API validation suites covering Products, Categories, and Orders endpoints utilizing **REST Assured, Postman, and Java**.
- Enforced strict automated schema validation, negative boundary verification, and error-handling conditions, eliminating manual test steps.

BDD Data-Driven Automation Framework

- Constructed a modular Cucumber BDD framework integrating **Selenium and Apache POI** to handle dynamic parameterization.
- Configured cross-browser parallel testing executions inside continuous delivery configurations, optimizing reporting clarity.

AI-Guided Robotic Processing & Control Architecture

- Built an autonomous industrial software stack using Python and YOLOv8; coordinated real-time motion controls via master-slave structures (Raspberry Pi/Arduino).

EDUCATION & CREDENTIALS

Information Technology Institute (ITI) Diploma in Software Testing	Nov 2024 – Apr 2025
MSA University B.Sc. in Mechatronics Engineering	Sep 2018 – Jul 2024

PROFESSIONAL CERTIFICATIONS

- **ISTQB Certified Tester Foundation Level (CTFL v4.0)** – International Software Testing Qualifications Board
- **Database Foundations & SQL Certification** – Data Validation & Warehousing Techniques
- **IBM AI Analyst Professional Certificate | Python for Everybody** – University of Michigan