

Ahmed SILINI

QA Automation Engineer | Software Engineer

+216 92 220 708

ahmed.silini@insat.ucar.tn

linkedin.com/in/ahmedsilini

github.com/ahmedsilinii

ahmedsilini.vercel.app

Open to International Opportunities

SUMMARY

QA Automation Engineer building test frameworks and CI/CD quality gates for B2B SaaS. At LittleBig Connection (Mantu Group), built an 18-test Robot Framework and Playwright smoke gate that makes critical failures visible in 2 minutes instead of after the full 8h regression run. Freelance work covers AI-assisted testing, including a self-hosted LLM agent that runs browser tests from plain English.

PROFESSIONAL EXPERIENCE

QA & Test Automation Engineer

LittleBig Connection (LBC), Mantu Group

January 2026 – Present

Paris, France

- Made critical failures visible in **2 minutes instead of after the full 8h regression run** by designing an 18-test smoke gate in GitLab CI/CD that blocks the pipeline on first failure
- Automated **100% of priority-one user journeys** (20 flows across Auth, Admin, Client and Supplier) with a layered Robot Framework and Playwright suite built on Page Object Model and Facade patterns
- Designed a risk-based test strategy around critical user journeys, cutting the gated test surface by **~40%** while preserving full critical-path coverage
- Ran matched-scope suites **2.9x faster** than the Selenium baseline (14 min to 5 min sequential, 2 min parallel) by moving to Browser Library and parallelizing Dockerized runs with pabot; wrote the migration plan off the legacy suite
- Held suite flakiness at **0.77%** with fully independent tests, using per-test data ownership, run-scoped fixtures and HAR, video and trace capture reported to Microsoft Teams

Keywords: Robot Framework, Browser Library, Playwright, Python, TypeScript, GitLab CI/CD, Docker, pabot, Page Object Model, BDD/Gherkin, Smoke Testing, Regression Testing, E2E Testing, Risk-Based Testing, Test Strategy, Jira/Xray, STLC

Freelance QA Automation Engineer

Independent Consulting

December 2025 – Present

Remote

- Built the **Local AI QA Automation Agent**, a four-layer system that turns plain-English test scenarios into executed Playwright actions with no per-scenario test code (Qwen3 8B on Ollama, Playwright MCP, LibreChat, Docker)
- Kept **all test data and credentials on-machine at zero API cost** by self-hosting the stack offline, with no third-party model provider
- Stopped hallucinated selectors and made runs repeatable with a tool policy of one action per step, semantic locators instead of XPath or CSS, and element checks before each interaction

Keywords: Local LLMs, Ollama, Qwen3, Model Context Protocol (MCP), Playwright, LibreChat, Docker, Agentic AI, AI-Assisted Testing

QA & AI Engineer

Yonnov'IA, AI Innovation Company

June 2025 – December 2025

Marseille, France

- Owned end-to-end quality validation for a RAG pipeline and fine-tuned Qwen 2.5 7B model, verifying **94.2% retrieval similarity** and 1.5s latency (40% better than baseline) against defined acceptance criteria and a golden test set
- Held **99.7% uptime** and 95% user satisfaction across releases by building integration and performance test suites for a Flutter and FastAPI application

Keywords: RAG, LLM Fine-Tuning, Qwen 2.5, Flutter, FastAPI, Docker, Integration Testing, Performance Testing, UAT, API Testing, Defect Tracking, Scrum

Quality Automation & Data Engineering Intern

Capgemini, Global Technology Consulting

July 2024 – August 2024

Tunis, Tunisia

- Reached **85% defect-classification accuracy** across Android crashes, ANRs, tombstones and Java exceptions by building an ML triage system with NLP, clustering and similarity algorithms
- Cut manual bug-tracking and triage time by **60%** by automating defect lifecycle management through the Jira API, accelerating defect resolution across sprint cycles

Keywords: Python, NLP, Scikit-learn, NLTK, ML Classification, Data Preprocessing, Jira API, Defect Triage, Bug Tracking

Business Analyst Intern <i>Be-Next Gen, Business Consulting and Sustainable Services</i>	June 2023 – August 2023 <i>The Hague, Netherlands</i>
- Defined system requirements, acceptance criteria and UAT test cases for a client-facing platform, running cross-functional workshops that aligned QA scope with development across 2 delivery sprints - Produced a requirements-to-tests traceability matrix covering every critical user journey before UAT sign-off	
STEM Education Instructor <i>Smart Kids Educational Center</i>	July 2022 – September 2022 <i>Zaghouan, Tunisia</i>
Designed and delivered a hands-on robotics curriculum for 20+ students, managing the full project lifecycle from scope definition to final demo	

TECHNICAL SKILLS

QA Automation & Testing: Playwright, Robot Framework, Browser Library, Pytest, Selenium, Postman, Xray, Jira, Page Object Model, E2E Testing, Integration Testing, Regression Testing, Smoke Testing, Performance Testing, API Testing, UAT, Exploratory Testing, Risk-Based Testing, Test Architecture, STLC

AI/ML: RAG, LLM Fine-Tuning, Local LLMs (Ollama), Model Context Protocol (MCP), Agentic AI, Llama 3.2, Qwen 2.5/3, Multimodal AI, CLAP, Scikit-learn, NLTK

Programming Languages: Python, TypeScript, JavaScript, Java, C/C++, Dart, SQL, HTML5/CSS3, Bash/Shell

Frameworks & Databases: FastAPI, Flask, NestJS, React, Flutter, PostgreSQL, MySQL, MongoDB, Firestore, Redis, ChromaDB

DevOps & Methodologies: Docker, Kubernetes, Git, GitLab CI/CD, Jenkins, Agile, Scrum, Kanban, Test-Driven Development (TDD), BDD

Languages: English (Fluent), French (Fluent), Arabic (Native), German (A2)

EDUCATION

National Institute of Applied Sciences and Technology (INSAT) <i>Engineering Degree in Software Engineering (Master’s level, 5-year programme)</i>	September 2021 – June 2026 <i>Tunis, Tunisia</i>
- Graduated Preparatory Cycle with High Honors, Top 5% of cohort among 500+ students - Relevant coursework: Quality Assurance and Testing, Software Architectures, Design Patterns, Algorithms and Data Structures, DevOps	
R&D Project, University of Southern Denmark (SDU) <i>AI-Powered Mobile Application for Breathing Sound Analysis, Human Centric AI Division</i>	April 2025 – June 2025
- Built a RAG assistant on Llama 3.2 with CLAP multimodal embeddings (audio and patient metadata), grounded in WHO guidance and validated against clinical benchmarks - Shipped a Flutter and FastAPI stack with a Pytest integration suite across the full Agile lifecycle	
Keywords: CLAP, RAG, Llama 3.2, Flutter, FastAPI, Pytest, Multimodal AI, Healthcare	

CERTIFICATIONS

ISTQB Foundation Level	2026
Playwright: Web Automation Testing From Zero to Hero (Udemy)	2026
Selenium with Python Using Robot Framework (Udemy)	2025
Machine Learning Specialization (Stanford / Coursera)	2024

AWARDS & ACHIEVEMENTS

Finalist, Seneca Hacks	2025
Honorary Mention, IHEC HackLab	2024
Winner, Tunisia88 National Original Song Contest	2018

LEADERSHIP & ACTIVITIES

Tunisian Red Crescent, Humanitarian Volunteer	2022 – Present
Junior Enterprise INSAT, Mobile Developer	2022 – 2024
AIESEC Carthage, International Relations Team Member	2023 – 2024
Ciné-Radio INSAT, Project Manager	2022
IEEE Student Chapter INSAT, Program Team Organizer	2022
FTCA Zaghouan, Member & Video Editor	2019
Tunisia88 Music Band, Founder & Team Leader, part of the 88 International Project	2018

REFERENCES

Available upon request