Badiea Al Shabili

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SUMMARY

QA automation engineer passionate about building efficient, scalable, and maintainable testing systems. Skilled in Python, Pytest, and Playwright, with hands-on experience optimizing UI and API test frameworks and integrating CI/CD pipelines. I enjoy improving reliability and developer productivity through automation, data-driven testing, and clean design. Strong foundation in backend development and modern QA practices, with a track record of enhancing test coverage and execution speed.

EXPERIENCE

QA Automation Intern
July 2025 – Present

12u12 Sdn Bhd - Cyberjaya, Selangor

- Built and maintained nearly 1,000 automated UI tests and debugged 400+ legacy scripts, improving stability by 95% while mentoring a new intern to accelerate onboarding.
- Architected a hybrid keyword/data-driven framework from a plain Python test suite, using Pydantic-validated JSON pipelines to cut code duplication by 90% and enable test authoring by non-technical staff.
- Optimized test execution from 3–4 minutes to 4–6 seconds per case through caching and modular data design.
- Developed a Gemini-powered AI data extraction tool to automate nutritional data collection and schema validation.

Web Development Intern
March 2022 – June 2022

ICT Center - Kajang, Selangor

- Developed a full-stack IP management web application from scratch using the Laravel framework.
- Engineered the backend, implementing all CRUD functionalities and managing the database schema for IP records.
- Built the dynamic user interface, creating pages for users to submit, view, and search IP asset data.

EDUCATION

Bachelor of Computer Science (Hons.)
2023 - 2025

Multimedia University - Cyberjaya, Selangor   *CGPA: 3.2/4.0*

Diploma in Software Engineering
2020 – 2022

Infrastructure University Kuala Lumpur - Kajang, Selangor

TECHNICAL SKILLS

Languages	Python, SQL(MySQL, SQLite, PostgreSQL)
Test Automation Frameworks	Playwright, Selenium, Appium, Pytest, Locust
QA Methodologies	Test Design, API Testing, Regression/Integration/UAT
Backend & Core	FastAPI, REST APIs, Data Structures, Algorithms, OOP
Developer Tools & CI/CD	Docker, Git, GitHub, Postman, GitHub Actions
Familiar With	JavaScript, Java, PHP, Kotlin, Django, Laravel

CERTIFICATIONS

- MIT 6.00.1x: Introduction to Computer Science and Programming Using Python
- MIT 6.00.2x: Introduction to Computational Thinking and Data Science
- CCNAv7: Introduction to Networks