

Karim Doueik CV

SUMMARY

Passionate software developer with hands-on experience in full-stack web development, AI-driven automation, and prompt engineering. Skilled in building scalable REST APIs, RAG pipelines, and serverless workflows. Eager to deepen expertise and drive innovation in the AI industry.

EDUCATION

University Antonine (UA)

- *Computer Science* SEPT'. 23-MAY'. 25
- **Lycée Franco Libanais Verdun (LFLV)** SEPT'. 09-MAY'. 19
- **College Sacre-Coeur Gemmayze (CSC)** SEPT'. 19-MAY'. 22

EXPERIENCE

GenFusion-AI

Backend/Prompt Engineer

JUL'. 24 – FEB'. 25

- **RAG System Implementation:** Designed and implemented Retrieval-Augmented Generation (RAG) systems to enhance AI-driven workflow automation.
- **Serverless Workflow Generation:** Developed prompt-based serverless workflow generation frameworks, optimizing JQ expressions for enhanced efficiency.
- **AI-Powered Automation Solutions:** Worked extensively with **Quarkus** and **Flyway** to develop AI-driven **workflow automation**.
- **Vault Integration:** Implemented CRUD operations for secure secret storage in **HashiCorp Vault**, leveraging **Quarkus Security** and **CDI** for seamless integration.

Bank Audi

IT Operations Control Intern

JAN'. 24 – SEPT'. 24

- Implemented security tools such as SIEM, EDR, BeyondTrust and OBM.
- Simulated cyber-attacks and penetration testing to identify vulnerabilities.
- Facilitating, cleaning and analyzing data collection by integrating RPA with Oracle FlexCube Core Banking Application.

PROJECTS

- E-Commerce Website integrating Laravel and Frontend technologies using microservices.
- AI Model that recognizes license plate using MySQL and Python (OpenCV, Tensorflow, Keras).
- Driver Drowsiness Detection using Libraries such as (EAR, Dlib, TKinter).
- Task Management App: React + TypeScript frontend + .NET Framework Web API backend

EXTRACURRICULAR ACTIVITIES

- Ranked 1st in the AUB (American University of Beirut) Innovation Park Tech for Accessibility.
- Ranked 1st nationally and 2nd Regionally at AUF's AI Hackathon.
- Completed Machine Learning Course by Stanford University & Deep Learning AI.
- Completed Software Engineering Course by IBM.

LANGUAGES

Arabic (Native); **English** (Proficient); **French** (Intermediate);

SKILLS

- **Technical Skills:** PostgreSQL, Oracle PL/SQL, MongoDB, MySQL, React, React-Native, Spring, Laravel, Quarkus, Docker, Swagger OpenAPI, PostgreSQL, Flyway, Vault DB, Java, C++, Python, PHP, JavaScript.
- **Soft Skills:** Problem Solving, Communication skills, teamwork, flexibility, and time management.