

# 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 1<sup>st</sup> in the AUB (American University of Beirut) Innovation Park Tech for Accessibility.
- Ranked 1<sup>st</sup> nationally and 2<sup>nd</sup> 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.