



Oussama Gaham

📍 Business bay, Dubai, UAE 📞 +971 561 196 500 📧 gaham.oussama@hotmail.com
🌐 <https://oussamagaham.com>

[in oussamagaham](https://www.linkedin.com/in/oussamagaham)
[mujehoxe](https://www.github.com/mujehoxe)

Experience

Milestone Homes

2024-09-01 to Present

Senior IT Specialist and Software Engineer

Dubai, UAE

- Led the development of a CRM system integrating geolocation, abnormal behaviour detection and AI assistance.
- Implemented cloud-based solutions to improve data processing efficiency and system reliability.
- Collaborated with cross-functional teams to align technical solutions with business requirements.
- Migrated a variety multiple websites spread across multiple hosting services into company's dedicated Vultr server.

INSFP

2023-03-01 to 2024-09-01

Vocational Education Teacher

Medea, Algeria

Taught Computer Science topics to guide students toward suitable career opportunities.

El Akouas Association

2023-04-01 to 2025-01-01

Python and Backend Web Development Instructor

Medea, Algeria

- Helped students getting into backend web development and then to create their own projects.
- Introduced students into the different concepts of programming using python.

Freelance

January 2020 - December 2024

Software Engineer

- Collaborated in the development of a comprehensive e-learning platform, to facilitate the teacher's content publication process by implementing a user-friendly interface.
- Led the replacement of an existing e-commerce application backend using Node.js, successfully migrating data and hosting the new solution on the same server. Implemented Swagger for API documentation for more effective collaboration between the backend and frontend.
- Developed a React Native e-learning mobile application with Firebase backend, focusing on video lecture delivery to students.
- Built a desktop app for a job agency to make creating and translating resumes faster.

Education

Larbi Tebessi University – Tebessa

2023-01-01 to 2024-12-31

Artificial Intelligence

PhD Student

Training and Vocational Education Institute (IFEP Medea)

2024-01-01 to 2024-06-30

Pedagogical Training

Certificate

University Abdelhamid Mehri – Constantine

2021-01-01 to 2022-12-31

Software Engineering

M.Sc.

University Yahia Fares of Medea

2017-01-01 to 2020-12-31

Information Systems

B.Sc.

Daily School, Algiers

2019-01-01 to 2019-12-31

Health, Safety and Environment

Certificate of Internship

Skills

Programming Languages

JavaScript, Java, Python, C/C++, Golang, PHP, Bash

Frontend

React, React-Native, Tailwind

Continuous Integration & DevOps

Docker, Kubernetes, Jenkins, GitHub Actions, Terraform

Operating Systems

Linux, Windows, macOS

Data Analysis

KNIME, Orange, Jupyter

Backend

Next.js, NestJS, Spring, Microservices Architecture

Databases

PostgreSQL, MySQL, Oracle, Firebase, MongoDB, Redis

Version Control

Git, GitHub, GitLab

Project Management

Agile Methodologies, Scrum, XP

Artificial Intelligence

Machine Learning, Computer Vision, TensorFlow, Image Processing, Model Development

Projects

Software Development

- Comprehensive educational management system with student tracking, grade management, and parent communication features built with microservices architecture.
- Real-time vehicle tracking and management system with geolocation services, route optimization, and driver performance analytics.
- Desktop application that optimizes resumes for ATS systems using machine learning algorithms and provides real-time feedback.

Data Analysis and Engineering

- Implemented Proactive Anomaly Detection for Traffic Congestion Sensors using SUMO with 92% accuracy.
- Developed a Computer vision Product Identification Model using CNN and transfer learning techniques to identify products with 85% accuracy across multiple categories.
- Aligned MRI and CT images across longitudinal, cross-subject, and multi-modal contexts. Applied advanced computer vision algorithms to achieve sub-millimeter alignment accuracy.
- Engaged in data engineering with Spring Batch, Spring Cloud and Kafka. Processed over 1 million daily transactions with 99.9% reliability and sub-second latency.

Languages

English

Fluent

French

Advanced

Arabic

Native