



Soufiane AIT OZDI

Cloud & Backend Engineer

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26 ans

EXPERIENCES

January 2023



SOFTWARE ENGINEER AT ALLONIA (PARIS, FRANCE)

- Use of Flask, FastAPI and Django for creating backend services.
- Aggregations used for filtering, grouping, and real-time processing of data related to deliveries and parking.
- Improved backend service performance through efficient processing of stored data.
- Migration of services to a new architecture based on microservices and microrepos.
- Migration from the Flask framework to FastAPI to enable asynchronous operations.
- Use of gRPC for network communications, enabling efficient and reliable interaction between microservices in a Kubernetes environment.
- Leveraged TCP/IP and UDP protocols to support different types of network communication across the infra.
- Use of Apache Airflow for task scheduling.
- Integration of KubernetesPodOperator to improve execution speed when launching jobs.
- Conducting tests.
- Transformation from SQLAlchemy ORM to asyncpg for optimizing SQL queries and asynchronous database management.

Tools & technologies used: Python, PostgreSQL, MongoDB, Apache Airflow, FastAPI, Flask, Aiohttp, Docker, Kubernetes, Cloud storage, Minio, Cloud Run/Functions, Shell Script, Pydantic, SQLAlchemy, Pytest, Gitlab.

MARCH 2022



INTERNSHIP "ESTACA'LAB" (LAVAL, FRANCE)

Automatic Neural Architecture Search and Model Interpretability (Deep Learning, Computer Vision)

Tools & technologies used: CNN model, OpenCV, Deep Learning and optimization techniques.

Development of an API for adapting the Pytorch library to TensorFlow syntax.

Tools & technologies used: scikit-learn, TensorFlow, Pytorch, and Keras.

APRIL 2019



INTERNSHIP AT CENTRALE DANONE (SALE, MOROCCO)

Record of the compressed air installation of Centrale DANONE.

JUNE 2018



INTERNSHIP AT THE NATIONAL RAILWAY OFFICE (RABAT, MOROCCO)

Railway Signaling of the National Railway Office

EDUCATION

2020-2022

MASTER: AUTOMATIC ROBOTICS

University School of Physics and Engineering - Clermont Ferrand

2019-2020

BACHELOR'S DEGREE IN ELECTRICAL ENERGY ENGINEERING

University of Le Havre Normandy - Le Havre

2017-2019

DUT, ELECTRICAL ENGINEERING AND INDUSTRIAL COMPUTING

Higher School of Technology - Morocco

CERTIFICATION & BADGES



Google skills Profile badges



Professional Cloud Developer Certification



Google Developer Program Profile

INTERESTS & LANGUAGES

- Football
- Cooking

- English
- French
- Arabic