

Eddine OMAR

Senior software engineer (Python backend / DevOps)

Looking for new opportunities (permanent roles) in Paris, available from March 2024.

Professional experience

Lead Backend Engineer Python/DevOps (permanent), DocAxxess – Paris Jan 2023 – Today

- Development of API integrating AI models which saved the equivalent of 20 man-days per month compared to a solution offered by a service provider. (Python, fastapi, fit, keras, docker, REST API)
- Refactoring, architecture and development of a microservice application allowing better maintenance, upgradeability and better scalability. (Python, docker, fastapi, postgresql, cloud, k8s, SOLID)
- Internal application containerization with Docker facilitating cloud deployment, all orchestrated by k8s. This project allowed the implementation of CI/CD, therefore saving time on previously manual tasks.
- ETL pipeline and CRM migration with the help of python and pandas. This made it possible to standardize tools (marketing, sales and communication) as well as to combine efficiency and cost reduction. (Python, pandas, API).
- Coordination with remote team (India), supervision of a work-study student and R&D team support. This allowed for efficiency within the teams and avoided the slowdown that could occur on critical projects.

Technical stack: python, fastapi, Rest API, postgresSQL, docker, docker compose, k8s, CI/ CD, git, Github Action, ETL, pandas, pytest.

Lead dev Python / Devops (contract), Superprod – Paris May 2022 – Oct 2022

- Development and maintenance of a documentation migration tool from Google Doc to an internal documentation manager using Google APIs. Removing dual-use tools allows for savings and standardization of internal processes. (ETL, python, API)
- Updating and maintaining automated tests using pytest. This makes it possible to keep a stable, robust and reliable code base while ensuring that future developments do not lead to regressions.
- Maintenance of CI/CD pipelines on Gitlab CI allowing automation of dev processes, saving time and protecting against human errors.

Technical stack: python, Rest API, ETL, pandas, pytest, git, gitlab CI, CI/ CD, Google API.

Mentor (Freelance), Openclassrooms - France March 2021 – May 2022

- Training course: [Python application developer](#)
- Weekly mentoring session
- Help with understanding lessons
- One-to-one review and monitoring of projects
- Coaching and mentoring

Technical stack: Python, Django, Django REST, PyCharm, PostgreSQL, GitHub, Postman, CircleCI

Python Backend engineer (CDI), Road-b-score – Lyon

Nov 2020 – Feb 2021

- Development of APIs and features in python/flask allowing enrichment of product functionalities (python, fastapi, docker, git).
- Establishment of a structure allowing the development and execution of unit tests to secure the project, the latter being stable, robust and reliable less subject to regressions (unittest, docker).
- Implementation of code quality indicators to improve the quality of the code base during each release (pytest-cov, pylint).

Technical stack: python, Rest API, flask, docker, docker compose, unittest, gitlab, git.

Backend engineer (Freelance), Maprochaineauto – Lyon

Feb 2020 – June 2020

- Participation in sprint planning meetings.
- Writing business specifications.
- Development of REST APIs and updates of existing endpoints to the REST formalism.
- Investigations and corrections of bugs reported by the customer team or the product team.
- Writing unit tests to validate business logic. Integration of the work carried out by the Data team.
- Updating and versioning the PostgreSQL database schema.
- Help with the implementation and development of new software development processes.

Technical stack: python, Rest API, flask, unittest, docker, docker compose, alembic.

Skills

Programming languages : Python, C/C++, javascript

Framework and tools : flask, fastapi, django, pandas, streamlit, ETL

DevOps : git, Github/Github Actions, Gitlab, k8s (good notions), docker/docker compose, linux serveurur, load balancing, scripting bash and linux environments.

Architecture and methodology : API Rest, PostgreSQL, RabbitMQ, Celery, microservice, backend, ETL, good frontend concepts.

Databases : alembic, postgresSQL, MySQL/MariaDB, MongoDB.

Training and certifications

Industriel IT engineer – Polytech Montpellier

Aug 2018

Professional English – TOEIC (845/990)

Sep 2017

preparatory class for high schools – Polytech Lille

June 2015

Personal projects

- [Kamusy](#) : Translation dictionary from French to the regional languages of Mayotte.
- [Missions finder](#) : scrapping job search sites, data processing and presentation of job offers according to criteria.
- [COVID 19 virus spread simulator.](#)
- [Opensource PDF file accessibility report generator.](#)