

Abdelmajid Ghaiati

Software Engineer

Mollerussa, Spain

<https://github.com/Mjid1> +34641490033 a2mjidgh@gmail.com

<https://www.linkedin.com/in/abdelmajid-ghaiati-69a44a242/>

PROFESSIONAL SUMMARY

Backend-focused Software Engineer with a strong foundation in Computer Science and hands-on experience in Python and data engineering. Skilled in designing scalable ETL pipelines, automating web scraping, and utilizing relational databases to process large datasets. I enjoy tackling complex data extraction challenges and delivering containerized, production-ready applications. Excited to bring my technical background and problem-solving skills to the data infrastructure team at Flanks.

EDUCATION

- Degree in Computer Engineering (Ingeniería Informática)** Lleida, Spain
Universitat de Lleida (UdL) | Lleida, Spain 2023-present
- Grado Superior DAM (Desarrollo de Aplicaciones Multiplataforma) Dual** Mollerussa, Spain
La Salle Catalunya 2021-2023
- Baccalaureate** Beni Mellal, Morocco
Zerketouni High School 2018-2019

PROFESSIONAL EXPERIENCE

Full Stack Software Engineer REDD PARTS | mar. 2024 – Present

- Data Extraction & ETL:** Built an automated Python scraping pipeline (Requests, Scrapy, BeautifulSoup) to extract real-time competitor pricing data.
- AI Pricing Automation:** Cleaned unstructured data using Pandas and integrated it with an internal AI model to automate dynamic product pricing.
- Product Tracking System:** Developed and deployed a fully containerized (Docker) product tracking platform using Flask, implementing CI/CD pipelines and unit tests to ensure high data quality and system reliability.
- Database Architecture:** Designed and optimized PostgreSQL/MySQL databases to handle high-volume data for internal marketing and sales tools.
- B2B Platform:** Contributed to the development of a large-scale B2B e-commerce platform using Laravel, Python, and React.

Software Development Intern (DAM Dual) REDD PARTS | jun. 2022– jul. 2023

- Completed a 1000-hour paid technical internship, gaining hands-on experience in full-stack and multi-platform development.
- Designed and implemented relational (SQL) and non-relational (NoSQL) databases to support various application features.
- Developed backend services using Python and the Django framework, alongside application programming in Java.
- Built 2D/3D games and mobile applications, taking projects from initial concept to deployment.

TECHNICAL PROJECTS

Collaborative Code Snippet Manager

- Built a real-time collaborative code snippet manager using Python, React, and a custom relational database.

Machine Learning Data Pipeline (Academic Collaboration)

- Built the Python data processing pipeline to clean and format large datasets for an audio denoising machine learning model.

TECHNICAL SKILLS

- Backend & APIs:** Python, FastAPI, Django, Flask, RESTful API Architecture
- Databases:** PostgreSQL, MySQL, MongoDB, Relational Database Design & Query Optimization
- Data Extraction & Web Scraping:** Scrapy, BeautifulSoup (bs4), Selenium, Playwright, Requests, Regex, API Reverse-Engineering
- Frontend & Full Stack:** React, Laravel, Java, Mobile App Development
- Data Processing & Manipulation:** Pandas, NumPy, Pydantic, ETL/ELT Pipelines
- Deployment & Infrastructure:** Server Deployment (VPS, Bare Metal), Linux Server Administration (Ubuntu, Rocky Linux, Pop!_OS), Network Configuration (VLANs, Routing), Docker Containerization, Git, Bash/Zsh Scripting, CI/CD (GitHub Actions/GitLab CI), Automated Testing (Pytest/Unitest)

LANGUAGES

- English : Fluent
- Spanish : Fluent
- French : Fluent
- Arabic : Native
- Catalan : Basic