

# Malo Le Mestre

## AI & MACHINE LEARNING ENGINEER

Available for relocation across France and beyond - Driver's license

✉ malo.lm@icloud.com 🏠 <https://portfolio.dopee.io> 🌐 MaloLM 📄 Malo Le Mestre

ML / DL Engineer with 5 years of hands-on experience turning complex data and model ideas into reliable products. My background spans LLM applications, Computer Vision, and industrial ML use cases, with a focus on robust architecture, scalable deployment, and fast experimentation from prototype to production.

## Experience

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### Artificial Intelligence Engineer

Le Mans, France

EKONSILIO

Sept 2025 - Present

- **AI Chatbots:** Scaling solutions and industrializing processes to master innovative technologies.
- **Stack:** LangChain, Cohere, OpenAI, n8n, MongoDB, JavaScript / TypeScript.

### R&D Consulting in Natural Language Processing (NLP)

Rennes, France

FORTIL

Feb 2025 - May 2025

- **Data analysis** and prototyping of **LLM solutions** (Mistral-Small-24B) for candidate suggestions relative to a mission and vice-versa.
- Application of **hardware requirements determination for LLM-Ops**. Educational dialogue with the business team.

### Engineer & Chief Product Officer

Entrepreneurial project

DOPEE

Oct 2023 - Dec 2024

- **End-to-end development** of Amadeus, a GenAI SaaS platform for character creation and interaction.
- **Technical leadership:** Architecture, AWS cloud infrastructure, and data pipelines management.
- **AI & Search:** LLMs integration, Flux, FAISS, RAG, Vector Databases, MeiliSearch, MLOps and YOLO for advanced features.
- **Stack:** Python, FastAPI, React, Docker, PostgreSQL, MongoDB, Redis, Celery, Discord Bot.

### Data Science in Predictive Maintenance

Budapest, Hungary

GENERAL ELECTRIC VERNOVA

April - July 2023

- **Exploratory data analysis** with the aim of identifying key features within physical time series.
- **Development of an LSTM prediction model** for the tool used by drilling machines, leading in scalable thousands of USD savings.
- **Development of a digital twin** of production machines allowing 4D data contextualization.

### Data & Software Engineering

Belfort, France

GENERAL ELECTRIC ENERGY PRODUCT FRANCE

2020 - 2023

- **Lead for machine learning initiatives** focused on industrial machine tools.
- Development of systems specialized in **data aggregation (ETL)**.
- **Design of Python libraries and a Python Web application** meeting domain-specific business requirements.

## Skills

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**Languages** Python, Typescript, SQL, Bash

**Data** CV, NLP, ML libraries, BI libraries, Operations Research, Snowflake

**Cloud / Software** AWS, Docker, FastAPI, Flask, React, PostgreSQL, MongoDB, InfluxDB, Linux, Git, Agile

**Languages** English (C1+ Cambridge Linguaskill), Chinese HSK 1&2 (Beginner), German A2

## Education

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### University of Technology of Belfort-Montbéliard (UTBM)

Belfort, France

ENGINEERING DEGREE IN INFORMATION SYSTEMS, SPECIALIZATION IN MACHINE LEARNING & DEEP LEARNING, WORK-STUDY PROGRAM

2020 - 2023

### University of Pau and the Adour Region

Bayonne, France

TWO-YEAR UNIVERSITY DEGREE (D.U.T.) IN COMPUTER SCIENCE

2018 - 2020