



# Khang Duy Lai

OBJECTIVE: WORKING IN THE FIELD OF AI/DATA/CLOUD

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## Professional Experience

### Lundi Matin

Montpellier, France

DATA SCIENTIST · PYTHON, LLM, RAG, GENAI

Jul. 2024 - Present

- Fine-tune LLM models with healthcare related data using RAG, Langchain.
- Migrating AWS services to dedicated servers using Django and Flask, optimizing infrastructure costs and resource management.

### Société français du radiotéléphone - SFR

Paris, France

DATA SCIENTIST · PYTHON, GCP, SQL, LLM, OPENCV

May. 2022 - Apr. 2024

- Contributed to the migration of ML model cycles and data pipelines to GCP using VertexAI, SQL and BigQuery.
- Exported and prepared data from Teradata, Hive and Impala to create datasets.
- Analysed customer call log data to extract insights to improve customer service.
- Improved a detection system for forgery images sent by fiber optic technicians (90% to 99%).

### VMO Holdings Technology

Hanoi, Vietnam

AI ENGINEER · PYTHON, AWS, FASTAPI, OPENCV, FLUID MECHANICS

Oct. 2019 - Dec. 2021

- Using several AWS services (Sagemaker, Rekognition, Lambda and S3) to develop an object/face detection system on a customer's smart bell.
- Automated data collection and cleansing using Python scripts to reduce processing time.
- Deployed ML models on API endpoints using FastAPI.
- Participated in creating a real estate recommendation system on meeyland.com that increased the click rate by 20% using LightFM.
- Forecasted typhoons and extreme weather conditions using satellite data and radar images.
- Created an insightful dashboard for real estate brokers using Plotly and matplotlib on Python.

### FEI, VŠB (Technical University of Ostrava)

Ostrava, Czechia

RESEARCH INTERN · PYTHON, MNE-PYTHON, SCIKIT-LEARN

Apr. 2019 - Sep. 2019

- Collected and worked on electroencephalographic signals to study the plasticity property of human brains.
- Applied noise reduction layer to the raw data using MNE-Python.

## Personal skills

**Programming** Python, SQL, Bash

**Cloud** GCP, AWS

**Data Engineer** PySpark, Hadoop

**Data Science** Machine Learning, Data Visualisation, Data preprocessing

**Other** Docker, PostgreSQL, Teradata, git, Kubernetes, FastAPI, Gitlab CI/CD

**Languages** English, French, Vietnamese

## Education

### University of Paris-Saclay

Orsay, France

MASTER 2 DATA SCIENCE (ISD)

Sep. 2022 - Sep. 2023

- Master in apprenticeship - SFR.
- **Related courses:** Cloud Computing, Data Visualisation, Blockchain, Data Science, NLP, Machine Learning.

### University of Paris Cité

Paris, France

MASTER 1 MACHINE LEARNING FOR DATA SCIENCE (AMSD)

Sep. 2021 - Sep. 2022

- BCS Scholarship from the French Embassy in Vietnam.
- **Related courses:** Big Data, Supervised Learning, Non-supervised Learning.

### University of Science and Technology of Hanoi

Hanoi, Vietnam

BACHELOR OF INFORMATION AND COMMUNICATION TECHNOLOGY

Sep. 2016 - Sep. 2019

- **Related courses:** Databases, Software Engineering, Web app development, Algorithms and Data Structures, OOP.

## Other

**Driver's licence** B, A1

**Hobbies** Guitar, Badminton, Swimming, Photography