







Graduate IT Engineer

Recent graduate seeking a full-time position (CDI/CDD) as a **Developer**

 23 yo  French  Driving licence  Belgium or Luxembourg

SOULAIMAN MARSOU

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PROFESSIONAL EXPERIENCE

Mar 2024 - Aug 2024 **SOFTWARE DEVELOPMENT : DATABASE DESIGN & ETL PROCESS**

Internship at **ANIDRIS S.A.** (Contern, Luxembourg)

- Designed a CMDDB (Configuration Management Database) using a Tomcat app and its PostgreSQL DB.
- ETL process implemented in Python to send data sources into the CMDDB with automation.
- Manipulated GRAPH API and internal REST API, OOP in Python and managed Linux environment.
- Written user documentation and trained employees on the tool's usage
- Technologies: Python, PostgreSQL, Tomcat, MS GRAPH API, Red Hat Enterprise Linux, Gitlab CI/CD.

Sept 2023 - Feb 2024 **GENERATIVE AI & LLMS RESEARCH PROJECT**

At **SOPRA STERIA** (Strasbourg, France)

- Written a state-of-the-art research on LLMs about fine-tuning, optimization and comparison.
- Fine-tuned a model for code generation, optimized it using prompt engineering and quantization.
- Documented test results and provided conclusions to complete the research report.
- Technologies: Python, HuggingFace, Jupyter Notebook, IBM Watson, LaTeX

EDUCATION

MASTER'S DEGREE IN COMPUTER SCIENCE

IT ENGINEERING SCHOOL *TELECOM NANCY*

(Sept 2021 - Sept 2024), FRANCE

- Programming (Python, JAVA, C, PHP)
- Web-development (Flask, Laravel)
- Big Data & AI
- Soft skills
- Project Management (SCRUM, GANTT,...)

BACHELOR'S IN MATHEMATICS & PHYSICS

Joffre High School, *Montpellier*

(2019-2021), FRANCE

PROFESSIONAL DEVELOPMENT

AZURE DATA TRAININGS - MICROSOFT LEARN

- Provision an Azure Databricks workspace, an Azure SQL Database or a VM on Azure.
- Use Spark in Azure Databricks notebook for an EDA.

SPRING BOOT TRAINING - OPENCLASSROOMS

- Understand the structure and the basics of a Spring Boot project.
- Implement a REST API with Spring Boot.
- Implement a web application with Spring Boot.

HARD SKILLS

Development

- Languages : Python, Java, C, PHP
- Web front-end/back-end (Flask, Laravel, Tomcat)
- REST API Integration (Python, Flask, Spring)
- GITlab CI/CD pipeline configuration
- Containerization with Docker

Environment

- Comfortable with Linux (Bash, Ubuntu, RHEL)
- Microsoft Azure (Databricks, SQL Server, VM)

DATA

- Design and manipulate databases (SQL & NoSQL)
- Database administration (PostgreSQL, Hbase, MongoDB)
- Exploratory Data Analysis (EDA) with Python (Pandas, Matplotlib) or Spark (PySpark)

AI

- Machine Learning (Sklearn, PyTorch)
- Natural language processing (NLP)
- LLM fine-tuning (Huggingface Transformers)

LANGUAGES

- **French** - Mother tongue
- **English** - Read, write, communicate (TOEIC 890 points, B2 level)

PROJECT MANAGEMENT

- SCRUM - agile project management
- Organize & animate meetings
- Planning management

REFERENCES

- Giovanni Cuoco, Managing Director at Anidris (Lu)
- Jules Duarte Vala, AI Engineer at Sopra Steria