



RHIMINI AÏMANE DATA ENGINEER

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- Portfolio
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PROFILE

Data Engineer with production experience on real-time data pipelines (Kafka, Debezium, PostgreSQL, Kubernetes, OCI). I build ELT pipelines in Python and SQL, modeled and tested with dbt, orchestrated with Airflow or Dagster. Master's degree in Artificial Intelligence and Data Science.

EDUCATION

Faculty of Sciences and Techniques of Tangier

- **MASTER** in Artificial Intelligence and Data Science 2024 - 2026
- **BACHELOR** in Data Analytics 2024

PROFESSIONAL EXPERIENCE

Société Tangéroise de Maintenance - Data Engineer

June 2026 – Present

- Designed and deployed real-time data pipelines synchronizing PostgreSQL databases with Apache Kafka, Debezium and CDC.
 - Deployed and administered the data infrastructure with Kubernetes, Strimzi, Docker and OCI.
 - Set up monitoring and observability with Prometheus, Grafana and Loki.
 - Developed Python / SQL jobs for data migration, validation and consistency checks.
- Tools :** Python, SQL, PostgreSQL, Apache Kafka, Debezium, Docker, Kubernetes, OCI

MNH Technologies - AI Developer Intern

January – May 2026

- Developed a mobile app with an AI pipeline for transcript processing, text classification and image analysis using open-source LLMs, along with prompt engineering to improve performance.
- Tools :** Prompt Engineering, LLMs, FastAPI, React Native

DYNAMIC HORIZON - AI Developer Intern

July – August 2025

- Integrated a chatbot into an Odoo TMS to answer business queries, designing an NLP pipeline based on Sentence Transformers and FAISS for embeddings and similarity search, with no external API.
- Tools :** RAG, Sentence Transformers, FAISS, Odoo

DYNAMIC HORIZON - AI/ML Developer Intern

April - June 2024

- Analyzed transport data to optimize operations and reduce costs.
 - Developed vehicle fuel consumption prediction models with Python and advanced APIs, reducing operating costs and improving forecast accuracy.
- Tools :** Scikit-learn, REST APIs, Odoo

PROJECTS

Real-Time Data Streaming Pipeline

- Built a **real-time data processing pipeline** with Apache Airflow, Kafka, Spark, Cassandra, PostgreSQL and Confluent Control Center/Schema Registry for monitoring.

API to Data Warehouse Pipeline with dbt

- Built an **incremental ELT pipeline in Python and dbt** loading data from a CRM API into PostgreSQL, resilient to API errors (expired tokens, rate limits), orchestrated by Dagster and validated in CI with GitHub Actions.

Data Warehouse Analytics Chatbot

- Built an **assistant that turns business questions into safe SQL queries** (SQL validation, read-only role) with Python, the Claude API, PostgreSQL, dbt and FastAPI, covered by 44 automated tests.

SKILLS

- **Processing & Modeling :** Apache Kafka, Debezium, Apache Airflow, Apache Spark, ETL/ELT, CDC, dbt, PySpark
- **Cloud & DevOps :** Docker, Kubernetes, OCI, Prometheus, Grafana, Loki
- **Databases :** PostgreSQL, Cassandra, SQL Server
- **Machine Learning & AI :** Scikit-learn, Pandas, NumPy, Sentence Transformers, LLMs, FAISS
- **Visualization :** Power BI, Matplotlib, Seaborn, Plotly
- **Languages & Frameworks :** Python, SQL, JavaScript, Next.js, FastAPI

SOFT SKILLS

Teamwork - Adaptability - Creativity - Punctuality

LANGUAGES

French - English - Arabic