

# PIERRE GRAEF

Data Engineer



- Strasbourg, France
- +33 7 61 91 16 65
- graef.pierre@gmail.com
- www.pierregraef.com

## SKILLS

Python, SQL  
Spark, Talend  
Scalable Data Pipelines & Architectures  
Data Modeling  
Cloud : Azure / Microsoft Fabric  
Git (version control)  
Power BI

## LANGUAGES

French: Native  
English: Professional proficiency (TOEIC C1)  
Italian: Basic  
German: Basic

## VOLUNTEERING & INTERESTS

Co-founder and Treasurer of a Humanitarian Association "Elsass Raiders"

Creation of an association to participate in Europ'Raid, a humanitarian rally

Experience in fundraising, sponsor acquisition, and project presentations

Handball Club Eckbolsheim

### Data Engineer



CeA, Strasbourg, France

2024 - Present

- Design and deployment of data pipelines and REST APIs (Talend, Python, SQL/NoSQL)
- Automation of data workflows and development of internal Python applications for data integration and transformation
- Design and management of Business Objects universes and BI models using Power BI
- Implementation of data governance processes and infrastructure monitoring (MySQL, Oracle, SQL Server)



### Internship – Data Projects for Reinsurance

2024

Munich Re, Munich, Germany

- Development and implementation of an actuarial tool in R Studio for indexation
- Automation of data collection, cleaning, and updates (SQL, CSV, external APIs)
- Full technical documentation writing and workflow optimization (~90% reduction in processing time)



### Data Engineer - Projects

2023 - Present

www.pierregraef.com

- MarketPulse API** : Development of a Dockerized Python API exposing real-time economic and financial indicators (CAC40, exchange rates, BTC/EUR)
- ELT to Dashboard** : End-to-end pipeline for ingestion, transformation, and visualization of historical Formula 1 data using Ergast API, SQLite storage, and an interactive Streamlit dashboard
- CRM Analysis & Sales Funnel** : User behavior analysis and segmentation using Python to optimize conversion and customer acquisition
- Maritime Actuarial Tool** : Development of an automated indexation and visualization tool

## EDUCATION

### Exchange Master - Data

2023-2024

Mälardalen University, Västerås, Sweden

### Master's Degree in Applied Mathematics

2022-2024

### "Mathematical Engineering & Data Science"

University of Haute-Alsace, France

### Double Bachelor's Degree in Mathematics & Quantitative Economics

2019-2022

University of Strasbourg, France

## REFERENCES

Romain Rossier, Munich Re, Head of Solutions :

RRossier@munichre.com

[www.linkedin.com/in/romainrossier/](https://www.linkedin.com/in/romainrossier/)

Pr. Abdenacer Makhlof, UHA, Head of the Department of Mathematics

abdenacer.makhlof@uha.fr