



Strasbourg, France



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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

PIERRE GRAEF

Data Engineer

PROFESSIONAL EXPERIENCE & PROJECTS



Data Engineer

2024 - Present

CeA, Strasbourg, France

- 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

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- **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 :

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