Ansel Boero

Mathematician & Data Engineer

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GitHub
Personal Blog

📄 SUMMARY

Passionate about different fields, I have developed skills in multiple disciplines, which allows me to approach problems through diverse lenses and optimize the quality of proposed solutions. In particular, the analytical rigor provided by a theoretical mathematics background, combined with extensive practical experience as a Data Engineer, provides a solid foundation for addressing the complex challenges of the modern data world, such as Data Modeling (with solid knowledge about Finance and Payments Industry), Data Architecture, Software Engineering, and Orchestration.

📋 SKILLS & INTERESTS

Computer

Languages (professional): Python, SQL
Other languages: JavaScript, Scala
Tools: Git, DBT, Airflow, Dagster, Looker
Main databases: BigQuery, Impala, PostgreSQL
Other interests: Data Modeling, Data Structures, Linux, DDD, Cloud (GCP and AWS, mainly), Open Source, Blockchain

Quantitative

Analysis, Game Theory, Logic, Probability Theory.

Other Interests

Music (professional piano player), writing, cognitive sciences & critical thinking, personal finance, Payments Industry, Bouldering, Running and Calisthenics, charity (donating 10% of net salary since 2022).

Languages

English: C1, IELTS 7.0 (2024)
German: A2, currently studying it
Italian: native

🎓 EDUCATION

Mathematics, BSc / UniTo / 2015 - 2019

Turin, IT
Focus Algebra, Analysis, Geometry, Mathematical modeling.
Thesis Homomorphic Encryption
Supervisor Prof. Cristina Bertone, PhD.

✏️ WORK

Analytics Engineer / 2023 - ongoing

Vinted - Payments Domain / Berlin, DE

Modeling, development, and maintenance of the new Vinted Pay Data Platform
In 2023, Vinted was granted with an EMI license and has since been developing and testing PSP-Like services. The Vinted Pay Data Warehouse aims to produce both internal and external reports for local and European financial institutions, and supporting business operations through key metrics development.

Development and Ownership of the Cost Control Project
The main objective is tracking costs associated with payment services (Pay-Ins, Payouts, KYC, Chargebacks, Tokenizations) per transaction. this solution can break down costs by various dimensions, such as Fee Type, Payment Method, Country Code, and Payment Provider This project is crucial in two main areas: Monthly Reconciliation and business support, particularly for the Payments Orchestration team.

Main Results:

- From Invoice Level to Transaction Level Costs: stronger and deeper insights.
- Full automation of payment reconciliation, reducing probability of error and enabling resource allocation to more significant projects.
- Discovery of bugs in PSPs, achieving €50k in savings and €70k in reimbursements.

Support to Payments Data Migration
Vinted has been migrating to the Cloud its data stack. I have supported the migration of KYC and Pay-ins models. Vinted has been migrating to the Cloud its data stack. I have supported the migration of KYC and Pay-ins models.

BigQuery Dbt Airflow Python Looker GIT

Data Mesh Data Management Payments Business

Data Consultant / 2021 - 2023

NNIT / Germany, Remote

Consultant in Life Science & Pharma industry. Main Companies: Boehringer Ingelheim, Eli Lilly, Bayer.

Aura-X: Automated Regulatory Extraction
Extracting relevant information from SMPC documents (mainly PDFs) and matching with RMS vocabularies using NLP and LLMs. Internal Product: Developed NLP models, data architecture, and a web interface used by the experts team to validate results obtained from NLP algorithms.
Support to Data Migrations

Python Airflow Flask Pandas & Spacy
Data Quality Agile

Analyst Consultant / 2020 - 2021

Capgemini - Insight & Data / Milan, IT

Consultant in Financial Industry.

Data Migration
Data Migration for an Italian banking Company (BPER BANCA). My work was mainly focused on Data Quality Processes.

OracleSQL Informatica Python Tableau Denodo
Consultancy