Ansel Boero

data engineer - mathematician

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📄 SUMMARY

I am a Data Engineer with over three years of experience in the consulting industry, specializing in the Life Sciences and Banking domains.

While at a major Italian bank, I contributed to the migration of demographic data, gaining exposure to all stages of the data engineering lifecycle, with a focus on Data Modeling and Data Quality.

Now, I've been working as a Migration specialist in the Life Science Domain, and I have optimized an internal ETL tool, achieving a performance boost of over 100%.

I'm always looking to improve my skills and am currently exploring a Python wrapper for Veeva APIs to enhance my software engineering abilities (OOP, TDD, documentation, CI/CD). Additionally, I'm currently studying for the GCP Associate Cloud Engineer certification.

✏️ SELECTED WORK EXPERIENCE

Data Engineer / Nov 2021 - In progress

NNIT Germany GmbH - Berlin, DE

Aura - X

We're developing a SAAS Cloud service that uses AI to identify key parts of leaflets and matches them against controlled vocabularies. The accuracy of the product is approximately 90%.

My focus is on **Data Modeling, Serving,** and **algorithm development**.

Fortunate project: 2 developers, 3+ customers, important revenues.

Data Migration

Migration to Cloud services, with a focus on Veeva and Cornerstone. We are using a proprietary ETL tool developed by NNIT.

Sole contributor to the development of a new tool that utilizes open source tools like Dagster and Spark to make the migration faster and more efficient.

Achieved a **100% improvement** in import performance and a **50% reduction** in required work time.

`Python 3+` `Airflow` `Flask` `SQL` `Dagster` `Spark` `AWS` `OpenAI API` `CI/CD` `TDD` `PyTest` `Data Modeling`

Data Engineer / Mar 2020 - Jul 2021

Capgemini SE - Milan, IT

Banking Data Migration

Data Quality team Leader. I Created quality controls and underlying infrastructure to ensure data quality. Daily meetings with the client to evaluate system integration testing (SIT), user acceptance testing (UAT), and define pipeline architecture.

`Oracle SQL` `Python 3+` `Informatica` `Office365`

🖌️ SKILLS / INTERESTS

- Passionate about **programming**. Working on projects that involve AI and managing data on DWH platforms from adv platforms such as Google, Meta.
- I strive to **stay up-to-date** on the **data engineering** world. I am currently reading different Authors, including Kimball, Inmon, Kleppmann, Petrella, Reis.
- **creativity**: I have dedicated over 10 years to professional piano studies.
- Facilitation of agile implementation in teams - **SCRUM**
- I have developed an interest in **rationality, critical thinking**. I try to read at least one article on the subject every week.
- I believe in breaking the taboo around money and engaging in conversations to learn how to manage **personal finance** better. I maintain a publicly accessible spreadsheet to track my own financial progress.
- Growing up in the mountains, I developed a natural passion for hiking and cycling. I try to keep myself active by regularly practicing both activities.
- Interest in **altruism**. I donate 10% of my salary to charitable organizations that work on causes that are particularly important to me.
- Languages: Native **Italian** Speaker; **English**: B2/C1; **German**: currently attending an intensive course: A2

🎓 EDUCATION

Mathematics - 2019

Bachelor's Degree, Turin, IT
Mathematics degree with a focus on modeling, probability, and cryptography applications. Thesis on homomorphic encryption.

AWS Certified Cloud Practitioner - 2022