

MARCO MARINI

Computer Science Engineer

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ABOUT ME

AI, data, and software engineering professional with a strong track record in delivering measurable business outcomes through cross-functional team leadership and innovative technology adoption. For a more comprehensive overview of my background and personal projects, please visit my [personal website](#).

WORK EXPERIENCE

Tech Product Owner

Mediaset

Dec 2023 - Present Cologno Monzese (MI)

Lead cross-functional teams (developers, designers, architects) to develop innovative technological solutions – with a particular emphasis on **new application development**, **modernization of legacy systems**, and the **strategic adoption of AI** capabilities to drive measurable business outcomes.

- **Led** the end-to-end development of an on-premise private **mobile app**. Led an 8-person team across the full product lifecycle – from design to delivery. The app is now used daily by 300 Mediaset sales representatives and has recently been rolled out to Spain. Tech stack: **TypeScript + PostgreSQL** for backend | **React Native** for frontend.
- Drove the development of an **AWS-based recommendation system** within Mediaset's cloud ecosystem, contributing to a €3 million strategic project. The system empowers operations teams to optimize advertisement spot allocation, with an estimated **€5 million annual ROI**. Tech stack: **Python** (Scikit-Learn, TensorFlow, Pyomo); **Siamese neural networks**, **PageRank**, **k-means clustering**.
- Led an internal strategic assessment to prioritize **Generative AI** use cases, with the goal of driving FTE savings and operational improvements. Oversaw an **annual €100K** investment budget dedicated to AI-driven technologies.

Associate - Data & Analytics - AI & ML Engineer

PwC Italy

Oct 2022 - Dec 2023 Milan, Citylife

- **Developed** and maintained the **data pipeline** for one of Italy's largest financial institutions, cutting data build time by 50% and significantly reducing computational costs and storage requirements. Tech stack: **Palantir**, **PySpark**, **SQL**.
- **Developed** a complex application integrated with **forecasting models** for calculating risk indicators enabling auditors to proactively detect risk trends and improve compliance. Tech Stack: **PySpark** for backend | **React** for frontend | **Prophet** for forecasting.

HARD SKILLS

- **Platforms:** Palantir Foundry, GCP (Vertex AI, Big Query), AWS, Qlik Sense.
- **Framework/Languages:** Python (PySpark, Pandas, Tensorflow, Scikit-Learn), SQL, C, JavaScript, HTML, CSS, React, C++, Matlab, Typescript, Java, Terraform.
- **Certifications:** Certified in multiple Palantir Roles (Data Eng. Architect, etc.). Udemy Prompt Engineer. All certifications [here](#).

EDUCATION

Master's Degree in Computer Science and Engineering

Politecnico di Milano

2020–2022 Milan, p.za L. da Vinci

Language: English.

Thesis: [Read my research thesis here](#).

Bachelor degree thesis: [See code here](#).

LANGUAGES

Italian native
English fluent

HOBBIES

- **Coding and Travel:** Combine love for coding and travel by attending **hackathons** around Europe, recently attended Start HACK in St. Gallen.
- **Photography:** Long-standing passion since youth; won the 2015 Liliana Urtamonti Photography Contest with [this shoot](#).
- **Team Sports:** Have played basketball, soccer and beachvolley. Love hiking during free time.
- **Cooking:** Passionate about mixology and culinary arts, especially making pizza and panettone with sourdough.
- **Wine Enthusiast:** Achieved first-level sommelier qualification.

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