

MARCO MARINI

Computer Science Engineer

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ABOUT ME

AI, data, and software engineering professional with experience in developing innovative tech solutions by coordinating cross-functional teams.

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 and coordinate with external providers (developers, designers, architects) to develop cutting-edge technological solutions that drive significant ROI.
- Private Mobile Application:** Managed the €500,000 end-to-end development of a private mobile app built with React Native and deployed on-premise. Led a team of 8 through the entire product lifecycle from design to delivery. The app is now used daily by around 300 Mediaset sales representatives.
 - RAG System:** Designed and implemented a system on Google Cloud Platform (GCP) using Gemini 1.5, enabling employees to query and access PowerPoint presentations, PDFs, and other marketing documents.
 - Recommendation Engine:** Led the development of a recommendation system deployed on AWS within Mediaset's cloud. Part of a larger €3 million project, this system assists operations teams in assigning advertisement spots based on customer requests, with an estimated annual ROI of €5 million.
 - Generative AI Evangelist:** Spearheaded an internal analysis to identify opportunities for integrating Generative AI SaaS or custom solutions, aiming to achieve significant savings in full-time equivalents (FTEs) and enhance operational efficiency.

Associate - Data & Analytics - AI & ML Engineer

PwC Italy

Oct 2022 - Dec 2023 Milan, Citylife

- Performed **big data engineering** tasks for a financial client, speeding up the data pipeline by 50% and significantly **reducing** both **computational costs** and **data storage space**.
- Developed a complex application for calculating risk indicators, implementing the **backend** using **PySpark** and the **frontend** with **React**. **Integrated forecasting models** to anticipate market trends and enable proactive or corrective actions.
- Oversaw the development of a **clustering algorithm** designed to identify users with anomalous permissions within the client's database, **reducing** auditor **workload** by over **80%** and significantly improving the precision of anomalous user detection.

HARD SKILLS

- Platforms:** Palantir Foundry, GCP (Vertex AI, Big Query), AWS (S3).
- 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.
- 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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