Gianfranco Demarco

Data & AI Engineer

About Me

Data & AI Engineer with a diverse background. I hold a Master's Degree in Artificial Intelligence.

When not working or studying, I enjoy reading (mostly manga), playing video and board games, and spending time with friends.

Details

Bari, Italy

gianfrademarco@gmail.com

Links

- Personal Website
- LinkedIn
- GitHub
- Projects

Skills

- Python
- Dagster
- dbt
- ELT/ETL
- SQL
- Docker
- Git
- AWS
- LLM
- Machine Learning
- MLFlow
- DVC
- Kubernetes
- Airflow
- Elasticsearch/Logstash/Kibana
- JavaScript

Languages

- English – Advanced
- Italian – Native

Employment History

Data & AI Engineer, Fitprime (Remote)

May 2024 – Present

Data & AI Engineer responsible for defining the company's data strategy and architecture, directly reporting to the CTO.

- Designed, developed and maintained the data architecture, the data warehouse and the data pipelines, leveraging technologies such as Dagster, dbt, and Sling.

- Designed and implemented both the production infrastructure using IaC and Docker on AWS ECS, and the local development environment.
- Structured the development and deployment process, using CI/CD pipelines and Github Actions.

Data Engineer – Software Engineer, hlpy (Remote)

June 2022 – April 2024

Data Engineer with responsibilities of designing and implementing data solutions and pipelines, while efficiently developing backend solutions with Python and PostgreSQL, along with architectural adjustments.

- Designed, implemented and maintained workflow management solutions using Airflow.
- Built ETL and analytics solutions using the Elastic stack.

Software Engineer, Go Reply (Remote)

October 2021 – June 2022

Software Engineer in a Cloud environment, responsible for developing extensions for the CKAN data management system using Python and SQL, managing SQL databases and utilizing Docker for efficient and continuous deployment.

Previous Experiences

September 2019 – October 2021

For more details about my previous experiences, please visit my CV page.

Education

Master's Degree in Computer Science – Artificial Intelligence

April 2024 – 110/110 with honors

Thesis Project: Designing modern chatbots leveraging Large Language Models and the LangChain ecosystem

Bachelor's Degree in Computer Science

July 2021 – 105/110

Thesis Project: Cryptocurrency market analysis through Sentiment Analysis of Twitter data

High School Diploma in Computer Science

July 2018