

Francesco Ardita

Data Engineer & Data Analytics Expert

Italy · open to USA (remote & hybrid) · worldwide remote
LinkedIn · GitHub · Portfolio

About Me

Data Engineer & Data Analytics Expert with 6+ years across STMicroelectronics, IBM and Leonardo. I design and ship ETL/ELT pipelines, cloud platforms and BI solutions on Google Cloud (BigQuery), Azure (Data Factory, Fabric), AWS and Databricks, owning high-level design end-to-end. Available for USA (remote & hybrid) and worldwide remote roles.

Core Skills

Cloud & Platforms: Microsoft Azure (Data Factory, Fabric), Google Cloud (BigQuery), AWS, Databricks, Kubernetes, Docker

Data Engineering: PySpark, Python, SQL, ETL/ELT, Data Pipelines, Data Modeling, Data Migration, Data Validation

BI & Analytics: Power BI, DAX, Apache Superset, Dashboarding, Data Visualization

AI & ML: RAG, Prompt Engineering, LangChain, LLMs, ML Models, Predictive Analytics

DevOps & Tooling: GitHub/Git, Azure DevOps, CI/CD, Linux, Infrastructure Deployment

Management: Project Management, Team Leadership, Agile/Scrum, Risk & Change Management

Experience

Data Engineer — Leonardo

Oct 2025 – Present · Italy

- Lead and develop ETL/ELT pipelines in Python/PySpark on Azure Data Factory, Databricks and Microsoft Fabric, owning high-level design from data modelling to production deployment.
- Migrated large datasets to Google Cloud BigQuery, cutting infrastructure costs and improving query performance (~40% faster).
- Automated data validation and reconciliation, reducing manual QA effort and lifting data accuracy to near 100%.
- Built Power BI and Apache Superset dashboards surfacing KPIs to leadership, enabling faster decision-making.
- Act as technical lead for the team while developing core components end-to-end.

Data Engineer / Project Manager — STMicroelectronics

Aug 2022 – Oct 2025 · Italy (global, Asia projects)

- Designed and shipped ETL pipelines in Python on Databricks, automating reporting flows and improving data accuracy across multi-departmental teams.
- Built Power BI dashboards surfacing KPIs to senior management, enabling faster, data-driven decisions.
- Led cross-functional teams as Work Package Leader for cloud infrastructure and data provisioning in Asia, delivering complex initiatives on time.
- Owned project planning, risk and change control, keeping multiple data initiatives within scope, budget and quality targets.

Data Engineer — IBM

Jul 2021 – Aug 2022 · Italy

- Optimised ETL processes, cutting reporting turnaround by ~25% and improving BI accuracy for stakeholders.
- Developed and deployed data pipelines on Azure, improving data accessibility and reliability for business units.
- Built Python scripts for automated data validation, reducing manual QA effort by ~30%.
- Created Power BI dashboards that translated raw data into actionable insight for stakeholders.

Data Analyst — Adora Ict S.r.l.

Jan 2021 – Jul 2021 · Italy

- Modelled and analysed data with Python, SQL and R to support internal reporting and revenue assurance.
- Automated PL/SQL processes, cutting task completion time from 3 days to 1 day (3x faster) and raising operational efficiency.

Credit Advisor — Credipass

Jan 2018 – Dec 2020 · Italy

- Built and managed a client portfolio through real-estate partnerships, growing lending and insurance revenue by ~15% year-on-year.
- Performed credit-worthiness and financial analysis to assess loan and mortgage eligibility, optimising liquidity and reducing credit-risk exposure.
- Prepared financial reports on liquidity and credit-risk performance that informed lending decisions.

Education

MSc, Corporate Finance — University of Catania, Italy — Thesis: Portfolio optimization and risk reduction (Ledoit-Wolf covariance shrinkage, in R).

BSc, Business Administration — University of Catania, Italy — Economics, Accounting, Finance, Statistics.

Professional Course: Data Science & Machine Learning — Tree School — Python for Data Analysis, ML & Statistical Modeling, predictive analytics.

Certifications

Microsoft Fabric Analytics Engineer Associate (2026) · Microsoft Azure Fundamentals AZ-900 (2021) · Databricks Lakehouse Fundamentals (2023) · Power BI Data Modeling with DAX (2025) · Python, Bash and SQL Essentials for Data Engineering — Coursera (2023)

Languages & Hobbies

Languages: Italian (native) · English (C1) · French (learning)

Hobbies: martial arts, reading, AI & data engineering, continuous learning.

I authorize processing of my personal data per L.D. 196/2003 and GDPR (EU 2016/679).