

RICCARDO RUSPOLI

Data Engineer

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PROFESSIONAL EXPERIENCE

Data Engineer

Agile Lab

February 2025 – Present

Remote

- Contributed to a Scala/Spark ingestion framework and Databricks workflows for near real-time data ingestion, transformation, and storage in a medallion architecture.
- Supported the integration of Kafka for streaming, Snowflake for analytics, dbt for data modeling, Airflow for orchestration, and Informatica for legacy migration.
- Collaborated in a cross-functional team to design and implement a modern cloud-based data platform in the insurance domain.

Advanced Data Engineer

NTT Data

November 2022 – February 2025

Milan, Italy

- Built a 16+ TB Snowflake data warehouse, reducing daily processing time by 30% and enabling faster decision-making.
- Optimized Scala-based Kafka streaming and Java APIs to support new real-time IoT use cases, enhancing data throughput and reducing latency.
- Integrated new use cases on Snowflake to support real-time analytics and streamline business-critical workflows.

Data Engineer

Expandi Group

October 2021 – November 2022

Milan, Italy

- Built a 1+ TB data warehouse and developed Python/Talend/Airflow pipelines, processing 50M+ records monthly and doubling system throughput.
- Migrated infrastructure to AWS, cutting costs by 20% and improving scalability.
- Led a team of 5 developers, collaborating with data scientists and analysts to deliver data-driven insights.

Full Stack Java Developer

Expandi Group

March 2019 – October 2021

Milan, Italy

- Developed a Data-as-a-Service B2B application for major clients using Java, Spring and Salesforce.
- Integrated CRM tools to enhance marketing campaigns for Big Tech companies.
- Built and optimized ETL pipelines with Talend to improve data quality and enable new use cases.

EDUCATION AND TRAINING

Bachelor of Science in Computer Science

IU International University of Applied Sciences

2027

CERTIFICATIONS

SnowPro Advanced: Data Engineer - Snowflake, 2025

SnowPro Core - Snowflake, 2023

AWS Certified Cloud Practitioner - AWS, 2022

Oracle Certified Associate, Java SE 8 Programmer - Oracle, 2019

LANGUAGES

Italian - Native Language

English - Proficient

Spanish - Elementary

SKILLS

Apache Airflow, Apache Kafka, Apache Spark, AWS, Azure, CSS, Databricks, dbt, Git, HTML, Informatica, Java, JavaScript, LLM, PostgreSQL, Python, Salesforce, Scala, Snowflake, Spring, SQL, Talend