Alessandro Colace

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EXPERIENCE

COALESCE (FOR REPLY, TIL) | Cloud Data & AI Architect
Jun 2022 – Present | Milan, Italy
- Acted as Solution Architect and technical lead for cross-functional data teams (4–8 members), guiding customers on their cloud journey and ensuring 100% on-time project delivery.
- Architected scalable, cloud-native Data & GenAI platforms (BigQuery, Dataflow, dbt, Vertex AI), achieving a 70% reduction in GCP costs (€500K+/year).
- Engineered an AI MLOps pipeline for churn prediction, accelerating model deployment to enable retention promotion campaigns that reduced quarterly churn by 30%.
- Partnered with C-level stakeholders to develop a Unified Customer View (~8M customers), enhancing it with a GenAI chatbot (RAG) to provide instant, natural language data access to business users.
- Established a GDPR-compliant Data Governance framework using Data Catalog and dbt, improving data quality, accuracy, and timeliness KQIs by ~30%.

ZENKIS (SHOES MANUFACTURING) | Operations Manager
Jan 2020 – May 2022 | Kyiv, Ukraine
- Ran end-to-end operations (Sales, HR, Marketing, Production, Procurement, R&D) of a 50+ employee shoes manufacturer.
- Executed a full turnaround strategy: from €10K/month losses to profitability within 12 months through Lean Manufacturing, waste reduction, and process optimization.

DATA REPLY | Senior Big Data Architect
Jan 2017 – Dec 2019 | Bologna, Italy
- Drove business development by securing and growing a new enterprise retail client, generating over €1M/year in revenue through technical pre-sales and solution design.
- Led two 10-member teams (Data Viz and Data Eng) to implement data ingestion, processing and storage within Cloudera Hadoop ecosystem.
- Prepared and presented compelling solutions and KPI dashboards (Tableau) to C-levels, acting as a technical converter and unifying siloed departments for streamlined decisions.

ICONSULTING | Business Intelligence Consultant
Oct 2015 – Dec 2016 | Casalecchio di Reno (BO), Italy
- Implemented Big Data Analytics and a proactive alerting system in a Tier-1 telco environment, leveraging Tableau and web technologies, as part of a high-impact Master's thesis.
- Enhanced and maintained a Location Intelligence framework using MongoDB, Angular, Leaflet, Kafka, and Node.

MULTIPLE COMPANIES | SWE & IT Operations Roles
Oct 2009 – Sep 2015 | Bologna & Ferrara, Italy
Held full-time and part-time roles during studies, including: Java Developer, System Administrator, Web Developer, and E-commerce Specialist.

SITECH SRL (FOR NTT DATA) | .NET Developer
Sep 2008 – Sep 2009 | Bologna, Italy
Hired by my former CS teacher to join his company after having exposed a breach in my school's IT system that drew national media attention.

EDUCATION

UNIVERSITY OF BOLOGNA
Master's Degree in Computer Engineering
Jan 2014 - Jun 2016 | Bologna, Italy
Graduated with honors – GPA: 4.0 / 4.0
Academic Course Tutor

UNIVERSITY OF BOLOGNA
Bachelor's Degree in Computer Engineering
Oct 2009 - Jun 2013 | Bologna, Italy

ITIS BELLUZZI (BOLOGNA)
Informatics Industrial Engineer
Sep 2003 - Jun 2008 | Bologna, Italy
Top-ranked student awarded internship at the Province of Bologna (local govt office)

SKILLS

DATA & AI STACK
dbt ● BigQuery ● Palantir ● Snowflake
Azure Data Factory ● Databricks ● Purview
Airflow ● Spark ● Dataflow ● Kafka ● HBase
Cloudera Hive/Impala ● ChromaDB ● RAG

BI & ANALYTICS
Tableau ● Power BI ● Looker ● OBIEE

DEVOPS
Git ● Jenkins ● Terraform ● Docker

LANGUAGES
Italian (Native) ● English (C1, IELTS 2018 – expired; Fluent) ● Russian (Limited)

CERTIFICATIONS

GOOGLE CLOUD
Machine Learning Engineer (PMLE)
Cloud DevOps Engineer (PCDOE)
Cloud Network Engineer (PCNE)
Cloud Database Engineer (PCDE)

TABLEAU
Tableau Desktop Specialist (TDS-C01)

6SIGMASTUDY
Six Sigma Yellow Belt (SSYB)

PUBLIC PROJECTS

HEDGE FUND TRACKER
Python app to analyze SEC filings that features an AI Analyst for stock due diligence, leveraging multiple LLMs (Gemini, Llama, GPT-OSS, etc.) via various providers (Google AI, Groq, OpenRouter).

Available to provide more details on request.