Alessandro Colace

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EXPERIENCE

COALESCE (FOR REPLY, TIL) | Cloud Data & AI Architect
Jun 2022 – Present | Milan, Italy
- Led data teams of 4 to 8 people, implementing Scrum to achieve 100% on-time delivery for 3 major projects, eliminating missed deadlines.
- Architected a data harmonization framework for a global retail/manufacturing client, unifying data from 30+ providers by resolving inconsistencies in currency, timezones, and product units.
- Developed scalable and cost-efficient cloud data platforms, improving data pipelines and storage strategies; achieved a 70% cost reduction on Google Cloud Platform (GCP) saving €500K+ annually.
- Partnered with senior stakeholders to design a Unified Customer View (UCV) for ~8M customers and a complex ARPU model, integrating diverse revenue and promotions streams.
- Established GDPR-compliant Data Governance framework, integrating Data Catalog and dbt for automated Data Quality checks, improving accuracy, consistency, 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
- Secured a new retail client from scratch generating €1M+/year for Reply Holding (€2B+ in revenue, 15k+ employees) through self-built networks and personally sourced 5+ consultants via university and online networks, thereby establishing Reply's new Bologna office.
- Led 2 teams of ~10 people each (Data Viz and Integration + Data Eng).
- Implemented data solutions within Cloudera Hadoop ecosystems, managing complex data ingestion, processing and storage.
- Collaborated with C-levels to build Tableau KPI dashboards for Unipol, unifying siloed departments for enhanced visibility and streamlined decisions.

ICONSULTING | Business Intelligence Consultant
Oct 2015 – Dec 2016 | Casalecchio di Reno (BO), Italy
- Implemented a proactive alerting system for Big Data Analytics within a Tier-1 telco context, as part of a high-impact Master's thesis, leveraging Oracle BI Foundation Suite and Tableau.
- 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

BIG DATA STACK
dbt • BigQuery • Palantir • Snowflake Azure Data Factory • Databricks • Purview Airflow • Spark • Dataflow • Kafka • HBase Cloudera Hive/Impala • Oracle DWH • SSIS

BI & ANALYTICS
Tableau • Power BI • Looker • OBIEE

DEVOPS
Git • Jenkins • Terraform • Docker

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

ACTIVE 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.