

EMANUEL MARINELLI

Data Engineer | Solutions & Integration Specialist

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PROFESSIONAL SUMMARY

Data Engineer and Integration Specialist with over 5 years of experience designing and optimizing data architectures and complex integration workflows. Specialized in building ETL/ELT pipelines, Python automation, and cloud-based data orchestration. Proven expertise in connecting core systems with analytical platforms to enhance data-driven decision making. Technical Team Leader with a strong focus on scalability, data security, and agile methodologies.

TECHNICAL SKILLS

Languages: Python (Advanced), SQL (Expert), PL/SQL, Bash, GDScript.

Data Engineering: ETL/ELT Design, Data Modeling (Star/Snowflake), API Integration (REST/SOAP), Data Cleansing.

Cloud & Orchestration: Oracle Integration Cloud (OIC), Talend, Azure, Docker, Jenkins.

Databases: Oracle DB, PostgreSQL, SQL Server, MongoDB.

BI & Analytics: Tableau (Server/Prep), Oracle Analytics Cloud (OAC), JasperReports.

PROFESSIONAL EXPERIENCE

Inworx (Charles Taylor) – Data Integration & Reporting Team Leader | September 2021 – Present

- Lead the design of critical data integration flows and migration processes from legacy systems to INSIS (Core Insurance) using Oracle Integration Cloud (OIC) and REST/SOAP APIs.
- Led the modernization of reporting services by migrating the platform to Kubernetes (K8s) using Docker, achieving improved scalability and resilience.
- Responsible for the architecture and development of complex, mission-critical reports using JasperReports, consuming high-availability database replicas to protect core system performance.
- Develop Python scripts and Talend jobs to automate data ingestion and cleansing processes, optimizing data delivery for Oracle Analytics Cloud dashboards.
- Provide technical leadership, defining code quality standards, Git-based version control, and continuous deployment workflows.

Tsoft – BI & Data Developer | January 2019 – September 2021

- Designed data architectures for Tableau-based analytics solutions, using Tableau Prep for data preparation and cleansing.
- Led a Sentiment Analysis project using Python (NLTK, Pandas) and TabPy, embedding machine learning models directly into interactive dashboards.
- Administered and maintained production environments on Tableau Server, ensuring platform security and reliable access to business data.

SELECTED TECHNICAL PROJECTS

- Backend & Data Automation Platform developed with FastAPI and PostgreSQL, focused on API-driven data capture and processing.
- Social Data Scraping initiatives using Python to extract and normalize data from social networks (Graph API) for trend analysis.