DIOGO SALGADO

JUNIOR DATA ENGINEER | DATA ANALYTICS | INFORMATION SYSTEMS

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PROFILE

MSc graduate in Engineering and Management of Information Systems with practical experience in data integration, transformation, and visualization. Familiar with tools such as Python, SQL, Apache NiFi, and Power BI, and comfortable working with data to support analysis and decision-making. Eager to grow in data-driven environments and contribute with a solid technical foundation and willingness to learn.

PROFESSIONAL INTEREST

- Data Engineering
- Data Analyst

SKILLS

TECHNICAL SKILLS

- **Programming & Data:** Python (Pandas), SQL (MySQL, Postgree, IBM db2), Talend Open Studio, Apache NiFi, Airflow
- **Visualization & Reporting:** Power BI, Superset, Tableau, IBM Cognos

SOFT SKILLS

- Soft Skills: Teamwork · Responsibility · Persistence · Problem-solving · Resilience · Adaptability

LANGUAGES

- Portuguese (native)
- English
- French

WORK EXPERIENCE

Junior Data Engineer | Jan 2025 – Present
CCG/ZGDV - ICT Innovation Institute

- Developed automated ETL pipelines using Apache NiFi and Python for data transformation;
- Stored and structured data in MySQL databases for analytical use;
- Designed dashboards in Power BI and Apache Superset for industrial KPIs and process monitoring;
- Designed a centralized digital service platform to foster entrepreneurship in the eHealth domain, using Business Model Canvas and Value Proposition Canvas, identifying service offerings based on organizational competencies to drive innovation and market value.

EDUCATION

MSc in Engineering and Management of Information Systems
University of Minho 2018-2024

- Conducted dissertation titled "IT Services, Business Models and Digital Marketplace for the eHealth Domain: The Services of the CCG/ZGDV Institute", as part of the national mobilizing agenda "Health From Portugal";
- Designed and implemented ETL processes using Talend Open Studio to structure raw data and build a data warehouse, and developed interactive KPI dashboards in Tableau to support decision-making;
- Created a machine learning model using the CRISP-DM methodology to predict loan default risks, applying Python (Pandas, NumPy, Matplotlib) for data analysis;
- Built a simulation model in SIMIO to optimize restaurant operations and address real-world inefficiencies.

CERTIFICATIONS

- **SQL, ETL and BI Fundamentals - IBM (2025)**
  - **Introduction to SQL - IBM (2025)**
  - **Linux Commands & Shell Scripting - IBM (2025)**
  - **ETL and Data Pipelines with Bash, Airflow and Kafka - IBM (2025)**
  - **Data Warehousing and BI Analytics - IBM (2025)**
- **SQL from basic to advanced (with MySQL and Project)** - Udemy (2024)
- **Power BI Complete - From Basic to Advanced** - Udemy (2024)
- **ERPsim Game EMEA South with an SAP S/4HANA system** - SAP Next-Gen (2021)