

MURILO WATANABE LYMPIUS

Data Engineering

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PySpark | Apache Airflow | AWS | Hive | Impala | SQL Server | ETL/ELT | Apache Spark | Python | Git

PROFESSIONAL SUMMARY

Computer Engineering student (FIAP) with hands-on experience in Data Engineering, end-to-end pipelines, distributed processing, and legacy-to-cloud migrations. Currently at Banco Safra working on Payroll Credit and Vehicle Financing products, serving as technical lead for the full migration of the Credit & Debit Cards product from a legacy SQL/SAS environment to AWS Cloud. Works daily with Apache Airflow, PySpark, Apache Spark, AWS Cloudera, Hive, Impala, and SQL Server.

PROFESSIONAL EXPERIENCE

Banco Safra • *Data Engineering Intern*

2025 – Present | São Paulo, SP

- Development, maintenance, and monitoring of end-to-end pipelines using Apache Airflow, PySpark, and Apache Spark for Payroll Credit and Vehicle Financing products.
- Technical lead for the full migration of the Credit & Debit Cards product from a legacy SQL/SAS environment to AWS Cloudera Cloud architecture.
- Design and maintenance of data ingestion, transformation, and delivery workflows (ETL/ELT) using Hive and Impala.
- Development and integration of microservices on AWS Cloud for data orchestration, consumption, and delivery, ensuring scalability and resilience of production pipelines.
- Data integration via REST APIs and JSON for real-time analytical and operational consumption.
- Development of dashboards and analytical structures to monitor productive data flows.

ACADEMIC PROJECTS

FIAP – Projeto Challenge • *Automotive Sustainability Monitoring App*

2023 | São Paulo, SP

- Built an application integrated with a car engine to monitor and optimize vehicle performance from a sustainability perspective.

FIAP – RoboBrain • *Computer Vision Robotics Challenge*

2024 | São Paulo, SP

- Developed a robot with a camera and gripper for autonomous object recognition and manipulation using computer vision.

TECHNICAL SKILLS

Data Engineering: ETL/ELT, end-to-end pipelines, distributed processing, data integration, observability

Cloud & Big Data: AWS Cloudera, Apache Spark, Apache Airflow, Hive, Impala, microservices

Languages & Tools: Python, PySpark, SQL, SQL Server, Git, GitHub

Integrations: REST APIs, JSON, workflow automation, data ingestion

Data & Analytics: Dashboard development, analytical modeling, real-time operational support

EDUCATION

FIAP • *B.Sc. in Computer Engineering*

2023 – Dec/2027 (Expected) | São Paulo, SP

FECAP • *Technical Degree in Digital Game Programming*

Completed: Dec/2020 | São Paulo, SP

LANGUAGES

Portuguese: Native

English: Advanced

Spanish: Basic