

JHONATAN STEVEN MORALES

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SUMMARY

Passionate about data and continuously learning how to design optimal architectures for processing and analysis. I'm interested in creating efficient, scalable solutions, especially in cloud environments such as Databricks and Microsoft Fabric. I enjoy connecting pieces, automating processes, and deeply understanding data flows to turn them into useful decisions. I always aim to apply what I learn to real projects that generate value.

EDUCATION

Universidad Autónoma de Occidente Cali
Data Engineering and Artificial Intelligence *GPA: 4.7* July 2022 – December 2025

EXPERIENCE

Freelance January 2025 – April 2025
Data Engineering and Artificial Intelligence

- Implemented Supabase as a relational database, leveraging PostgreSQL scalability and efficient connection handling.
- Designed and implemented automated workflows with n8n, integrating intelligent agents for autonomous task execution and decision-making.
- Automated processes using AWS services (Lambda, S3, and EventBridge), enhancing operational efficiency and reducing repetitive tasks.

SKILLS

Cloud:	Azure (Data Factory, Databricks, Microsoft Fabric), AWS
Big Data Ecosystem:	Apache Spark, Hive, Kafka, Apache Airflow
Databases:	PostgreSQL, MySQL, MariaDB, MongoDB, Neo4j
Programming Languages:	Python, SQL, Java
Data Visualization:	Power BI, Matplotlib, Seaborn
ETL/ELT Tools:	DBT, Apache Hop, KNIME

PROJECTS

Automated Real Estate Data Collection | Azure Data Factory | Databricks | Airflow | Selenium | BeautifulSoup | Python | ADLS
<https://github.com/Jhonatan19991/housing-retail-pipeline>

Developed a pipeline that combines local web scraping and cloud processing to collect and organize real estate data. Used Airflow for local orchestration and ADF with Databricks for processing in a Medallion architecture, preparing the data for analysis and machine learning.

Cardiovascular Disease Analysis | Python | Pandas | Airflow | Kafka | PostgreSQL | Power BI | SQLAlchemy | Git | Great Expectations
<https://github.com/Jhonatan19991/end-to-end-project>

Designed and developed an end-to-end pipeline that integrates data from a dataset and an API, orchestrated with Airflow and deployed using Docker. Used Kafka and Python for near real-time processing, stored data in PostgreSQL, validated with Great Expectations, and visualized in Power BI.

CERTIFICATIONS

Databricks Certified Data Engineer Professional Issued: May 2025 · Expiration: May 2027	Databricks
Microsoft Certified: Fabric Data Engineer Associate Issued: June 2025 · Expiration: June 2026	Microsoft
Microsoft Certified: Azure Data Fundamentals Issued: March 2025	Microsoft
Academy Accreditation - Databricks Fundamentals Issued: May 2025 · Expiration: May 2026	Databricks