

# JHONATAN STEVEN MORALES

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## EDUCATION

**Autonomous University of the West**  
Data Engineering and Artificial Intelligence *GPA: 4.7*

Cali  
July 2022 – December 2025

## EXPERIENCE

### Freelance

*Data Engineering and Artificial Intelligence*

January 2025 – April 2025

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

## SKILLS

<b>Cloud:</b>	Azure (Data Factory, Databricks, Microsoft Fabric), AWS
<b>Big Data Ecosystem:</b>	Apache Spark, Hive, Kafka, Apache Airflow
<b>Databases:</b>	PostgreSQL, MySQL, MariaDB, MongoDB, Neo4j
<b>Programming Languages:</b>	Python, SQL, Java
<b>Data Visualization:</b>	Power BI, Matplotlib, Seaborn
<b>ETL/ELT Tools:</b>	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 combining 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 it with Great Expectations, and visualized insights in Power BI.

## CERTIFICATIONS

<b>Databricks Certified Data Engineer Professional</b> May 2025	Databricks
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<b>Microsoft Certified: Azure Data Fundamentals</b> March 2025	Microsoft
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<b>Academy Accreditation - Databricks Fundamentals</b> May 2025	Databricks
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<b>Academic Excellence Award</b> May 2024	Autónoma de Occidente
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