

Diego Pardo Montero

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EXPERIENCE

Data Engineer

Apr. 2026 – Present

Diametral (Consulting)

Bogotá, Colombia

- Designed and built a configuration-driven Python framework for large-scale Oracle data migrations, using declarative YAML + SQL definitions with multiple loading strategies (catalog, SCD Type 2, fact, aggregate), auditing, and concurrency control
- Implemented a control-table-driven scheduler and a reporting module for pipeline observability, orchestrating and monitoring daily and weekly batch cycles on a Medallion (Bronze/Silver/Gold) architecture with PySpark and Starburst (Trino)
- Monitor production data pipelines and resolve incidents end-to-end in an enterprise financial-services environment: root cause analysis, permanent fixes, and documentation, collaborating directly with DBA and DevOps teams

Tools & Technologies: Python, SQL, PySpark, Oracle, Starburst/Trino, GCP, Databricks, IBM Cloud, Git

Data Engineer Jr. Advanced

Aug. 2025 – Apr. 2026

Globant

Bogotá, Colombia

- Optimized large-scale ETL pipelines and backend workflows in Python and SQL, reducing execution times by ~20% through query tuning and process automation
- Developed automated data validation and quality checks, cutting manual verification by 65% and improving data reliability across production datasets
- Resolved ~7 production data incidents per day within SLA targets, with root cause analysis and cross-team fixes

Tools & Technologies: Python, SQL, Java, Spring, Docker, Linux, Bash, Pandas, Git

Information Technology Trainee

Jan. 2025 – Jul. 2025

Globant

Bogotá, Colombia

- Maintained and debugged Snowflake and Airflow ETL pipelines, improving stability and cutting job failures by 25%
- Built Python validation scripts to detect data discrepancies and inconsistencies across datasets with thousands of records
- Automated recurring backend processes with Python and Bash, saving ~6-8 hours of manual work per week

Tools & Technologies: Python, SQL, Snowflake, Airflow, Spark, Java, Docker, Git

Data Engineer

Jan. 2023 – Dec. 2024

Pacífico Emprende

Remote – Bogotá, Colombia

- Designed and implemented relational data models in MySQL for organizational data serving 200+ users, improving data consistency, integrity, and query performance
- Built backend data services from scratch with Java and SQL, optimizing queries to cut page load times by ~20%

Tools & Technologies: Java, Spring, MySQL, SQL, PHP, Git

PROJECTS

Enseñarte – Thesis with Honors (5.0/5.0) | Python, React, SQL, Machine Learning

2025

- Built a functional prototype for the teaching, learning, and assessment of Colombian Sign Language (LSC)
- Designed the data model and pipeline to capture, store, and evaluate assessment data for progress tracking and feedback

E-commerce Platform – Microservices Architecture | Java, Spring Boot, Docker, PostgreSQL, Kafka

2024

- Designed an e-commerce application on a microservices architecture with a database-per-service pattern for data isolation and consistency
- Implemented event-driven communication between services, containerized with Docker, with REST APIs for orders and catalog data

EDUCATION

Pontificia Universidad Javeriana

Bogotá, Colombia

B.S. in Systems Engineering – GPA 4.4/5.0; Thesis with Honors (5.0/5.0)

2021 – 2025

TECHNICAL SKILLS

Languages: Python, SQL, Java, Bash, JavaScript

Data Platforms: Snowflake, Databricks, Oracle, Spark/PySpark, Airflow, Starburst (Trino), PostgreSQL, MySQL

Cloud: AWS, GCP, Azure (Data Factory), IBM Cloud

Tools & Practices: Git/GitHub, Docker, CI/CD, Linux, ETL/ELT, Dimensional Modeling (SCD), Incident Mgmt & RCA

Human Languages: Spanish (Native), English (C1)

CERTIFICATIONS

AWS: Solutions Architect, Cloud Practitioner | **Google:** GCP Cloud Digital Leader, Git & GitHub | **Meta:** Database Design

In Progress: Databricks Data Engineer Associate, Snowflake SnowPro Core