

Enmanuel Cuadros Gomez

Data Engineer

Lima, Perú (GMT-5)

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[Linkedin profile](#)

Data Engineer with 4 years of experience in **Big Data, ML** and **Cloud Computing**, specializing in optimizing **data architectures** and **scalable ETL processes** within the **banking, fintech, and tech sectors**. I have led the migration and optimization of multiple ETL processes on platforms such as **Snowflake, BigQuery, and AWS**. My focus is on efficiency and scalability, utilizing tools like **Python, Scala PySpark, SQL, and Airflow**. I seek to optimize **data strategies** and improve the performance of **analytical platforms**. Currently looking for the next challenge that will allow me to grow professionally within the tech industry.

EXPERIENCE

Indra Perú — Sep, 2024 - Present

Big Data Engineer

- Optimized **ETL process execution time by 30%** by leading the migration of legacy processes to **Databricks**, improving data security and normalization with **Scala, Spark SQL and Spark Tables**.
- Reduced **production failures by 25%** by developing and executing tests in development environments with **Python and SQL**, integrating unit testing.
- Decreased **manual errors by 40%** by automating deployments with **Jenkins** across development, certification, and production environments, ensuring greater stability.
- Collaborated with **data architects** and **technical custodians** to ensure data integrity and security in the new architecture.
- Automated deployment pipelines using **Jenkins** and introduced **CI/CD for ML models**, reducing human errors by 40% and enabling model versioning and rollback.
- Implemented solutions in **Azure**, leveraging **Azure Data Lake, Databricks, and Azure SQL** to optimize data processing and storage.

Voxxell Group SAC — Sep, 2023 - Sep, 2024

Data Engineer

- Reduced **execution processing times by 30%** through the implementation of solutions in **Google Cloud Platform (BigQuery, Dataflow, Composer)**.
- Processed approximately **5 million inputs** using **Spark, Presto, Hive, and Redshift** to support strategic decision-making.
- Developed and optimized **data pipelines** with **Python, Scala, PySpark, and SQL**, improving performance in large-scale data processing.
- Created modular ETL components using **PySpark and SQL** for both batch and streaming pipelines feeding into **Vertex AI and AutoML models**.
- Optimized data processing from **16 disaggregated points to 4 tables**, improving **data normalization** and processing.
- Managed **ETL processes** with **Airflow** and optimized cloud storage architectures.
- Automated **data visualization** using **Power Apps, Power Automate, and Power BI**.

Tenmas SAC — Oct, 2023 - Jul, 2024

Data and ML Engineer

- Designed an **initial architecture for a Data Lake**, laying the foundation for prediction and financing models in **Spain**.
- Optimizing a scalable **data lake architecture** on AWS to support **credit scoring models**, establishing a robust foundation for ML experimentation and model lifecycle management.
- Evaluated platforms such as **Google Colab, SageMaker, and Vertex AI**, reducing **cloud infrastructure costs by 50-70%**.
- Configured **JupyterHub** on **Google Cloud**, enabling multi-user access for machine learning projects and improving collaboration.

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- Designed and optimized **data pipelines** in **AWS (Glue, Lambda, Redshift, Step Functions)**, ensuring scalability and monitoring with **CloudWatch**.
- Integrated **Spark, BigQuery, and Airflow** for **data analysis** and **efficient processing**.
- Developed **APIs with Node.js and AWS Lambda**, managing **data flows in DynamoDB** and orchestrating them with **Step Functions**.
- Processed approximately **100 million records** using **Databricks and Apache Spark** for **distributed ETLs in S3** and implementing **ML workflows** for classification and clustering tasks at scale.

Neoris Peru SAC — May, 2023 - Dic, 2023

Data Engineer

- Developed and optimized **data pipelines** in a **Big Data** environment, using **Scala and Python** for efficient processing.
- Migrated and optimized **15 ETL processes**, ensuring stability and performance in a **Snowflake** and **Datio**-based environment.
- Implemented **batch processes** in **SQL and Java**, ensuring **data integrity and efficiency**.
- Managed **large volumes of structured and unstructured data** in **HDFS**, optimizing storage and retrieval.
- Utilized **Hadoop, Spark, Hive, HBase, and Git**, working within a **Scrum framework** to prevent disruptions in active processes.

Indra Perú SA — Jun, 2022 - Jul, 2023

Database developer

- Migrated databases and optimized ETL processes in **AWS (Glue, Redshift, S3)**, achieving a **25% improvement in efficiency** and reducing production errors.
- Designed and optimized **datamarts and data lakes**, decreasing query times by **30%** through index and partition optimization.
- Automated **ETL workflows** with **Python and SQL Server**, processing over **10 million records monthly** while ensuring data integrity.

Chain Services TI SAC — Mar, 2022 - Jun, 2022

Business Intelligence Consultant

- Led the **migration of databases to AWS** and developed **ETLs with Glue Studio**, reducing processing times by **20%**.
- Designed **datamarts**, automating reports and optimizing **ETL workflows** with **Python, SQL Server, Tableau, and Power BI**.

SKILLS

Advanced proficiency: Python, Scala, R, SQL, Scikit-learn, TensorFlow, PyTorch, Power BI, Tableau.

Intermediate proficiency: Apache Spark, Hadoop, Databricks, Google Cloud Platform (GCP), AWS, Azure, MongoDB, MySQL, PostgreSQL, Snowflake, Teradata, IBM Db2, BigQuery, Automate, Crontab, Shell.

Basic proficiency: Docker, Kubernetes.

Soft skills: Collaboration, problem-solving, adaptability, communication.

Collaborative tools: Git, Jira, Confluence, Slack.

Languages: Advanced: Inglés; Native: Español.

EDUCATION

ESAN University– Lima, Perú. Bachelor's Degree in Systems Engineering, Jul, 2025