Moisés Marquina J.

Data Engineer
moisesmarquinaj@gmail.com | www.linkedin.com/in/moises-marquina-juliao | github.com/MoisesMJ25

Professional Summary

Data Engineer with 5+ years of experience designing ETL/ELT pipelines and data processing solutions in highly traceable fintech environments. Specialized in Lakehouse architectures on Databricks and Azure, backend integration, and financial process automation. Experienced with Apache Spark, Airflow, Delta Lake, and Bronze/Silver/Gold architectures, ensuring data quality, governance, and availability in production. Focused on scalability, observability, and continuous improvement in agile international teams.

Professional Experience

Data Engineer – Metropago
February 2025 – Present

- Designed and implemented a standardized architecture for Python-based Data Pipelines on Databricks, integrating GitHub Actions for CI/CD, Ruff for code quality, OmegaConf for configuration management, and Terraform for Infrastructure as Code (IaC).
- Designed and developed automated financial reconciliation engines in Python using matching rules, normalization, and transaction validation across multiple sources.
- Implemented ETL/ELT pipelines on SQL and NoSQL databases ensuring integrity and traceability.
- Designed RESTful APIs in Python for backend orchestration and alerting.
- Orchestrated Bronze, Silver, and Gold data lake layers.
- Managed Azure Blob Storage and Delta Lake on Databricks.
- Implemented secrets management, IAM roles, and token-based authentication.

Team Lead / DataOps – Global 66
December 2023 – February 2025

- Developed an internal ERP MVP with Python and Django.
- Built automation workflows, alerting systems, and web scrapers.
- Coordinated technical initiatives with international partners in English.
- Worked under Agile Scrum using Jira and Confluence.

Data Analyst – Global 66
March 2023 – December 2023

- Developed advanced SQL queries for transactional analysis and compliance.
- Built analytical data models and BI views.

- Developed Tableau dashboards connected to MySQL.
- Automated ETL processes using Python and web scraping.

Technical Skills

- **Languages:** Python, SQL, MQL
- **Data Engineering:** ETL/ELT, Data Pipelines, Financial reconciliation, Data Lakes, Bronze/Silver/Gold
- **Data Warehousing:** Databricks SQL Warehouse, Delta Lake
- **Databases:** MySQL, PostgreSQL, MongoDB, SQLite, Unity Catalog
- **Big Data & Processing:** Databricks, Apache Spark, Airflow, Delta Lake
- **Backend & APIs:** Django, Flask, FastAPI, RESTful APIs
- **Visualization:** Tableau, Power BI
- **Security:** Secrets management, IAM roles, Token-based Authentication
- **Tools:** Git, GitHub, GitLab, Jira, Confluence
- **Methodologies:** Agile, Scrum
- **Automation:** Process Automation, Web Scraping, Alerting Systems
- **Data Governance & Quality:** Data Quality, Data Governance, Traceability, Validation, Data Consistency, Monitoring

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Languages

- Spanish (Native)
- English (B2 – Technical communication, documentation, and collaboration with international teams)

Education

- Computer Engineering – Andrés Bello University
- Postgraduate Diploma in Python Programming and Applications – Pontifical Catholic University of Chile
- Data Engineering & Data Analytics – Coderhouse
- Python Software Development – Coderhouse
- Bachelor of Laws (LL.B.) – Bicentenary University of Aragua