

AYOUB EL-OUICHOUANY

Data Engineer | Data Analyst

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PROFESSIONAL SUMMARY

Data Engineer and Data Analyst specializing in end-to-end data platforms and BI solutions, from ingestion to dashboard. Skilled in designing ETL/ELT pipelines and dimensional data models using Python, SQL, and Power BI, reducing reporting time by 80% while processing over 10 million rows daily. Currently seeking a new professional opportunity to contribute to data-driven projects.

TECHNICAL SKILLS

Data Engineering: Python, SQL, PostgreSQL, Snowflake, dbt, Apache Airflow, Docker, SQLAlchemy, ETL/ELT Pipelines

Business Intelligence: Power BI, DAX, Power Query, KPI Reporting, Dashboard Development

Data Modeling & Warehousing: Data Modeling, Data Cleaning, Data Transformation, Dimensional Modeling (Star Schema & Snowflake Schema), Data Warehouse, Medallion Architecture (Bronze/Silver/Gold)

Tools & Collaboration: Git, GitHub, Jupyter Notebook, VS Code, MinIO, Jira, Agile (Scrum)

PROJECTS

Real Estate Data Warehouse | *Snowflake • dbt • Apache Airflow • Power BI • Docker*

- Built a multi-country real estate data warehouse with a 4-person team using a Medallion architecture (Bronze/Silver/Gold) on Snowflake.
- Designed and orchestrated Apache Airflow pipelines triggering dbt models, connecting Power BI directly to the Gold-layer star schema (fact_listings + 3 dimensions).
- Deployed a complete BI solution enabling real estate listing analysis through interactive Power BI dashboards.

Crypto Market Data Platform | *Python • Apache Airflow • Snowflake • MinIO • Power BI • Docker*

- Developed an end-to-end data pipeline collecting real-time market data from the CoinGecko API using a Medallion architecture (Bronze/Silver/Gold).
- Automated ingestion, transformation, and orchestration with Apache Airflow, storing data in MinIO and modeling it in Snowflake.
- Designed a star schema and built Power BI dashboards to track cryptocurrency market indicators.

Darkom Real Estate Analytics Platform | *Python • PostgreSQL • SQLAlchemy • Power BI*

- Built an analytics pipeline processing 1,508 real estate listings across 10 Moroccan cities.
- Cleaned data, imputed missing values (city-level mode / grouped median), and detected outliers using IQR and business rules within a star schema in PostgreSQL.
- Designed a 4-page interactive Power BI report analyzing pricing, segments, and real estate market performance.

CERTIFICATIONS

Data Engineering Professional Certificate | *Snowflake*

Power BI Essential Training | *LinkedIn Learning*

SQL Essential Training | *LinkedIn Learning*

Learning Docker | *LinkedIn Learning — 2026*

EDUCATION

Data Analyst Training January 2026 – Present
CCFBS – Simphon Maghreb, Fquih Ben Salah, Morocco

Baccalauréat, Economic Sciences 2025
Lycée Technique El Khawarezmi, Souk Sebt Ouled Nemma, Morocco

LANGUAGES

Arabic — Native | French — Intermediate | English — Intermediate