

# MAIRA

Senior Analytics Engineer | Snowflake • dbt • Airflow • Python • Power BI • Cloud Analytics

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## Professional Summary

Senior Analytics Engineer with **5+ years of experience** delivering production-ready data pipelines, real-time analytics platforms, and dashboards. Expert in **Snowflake, Redshift, Airflow, dbt, Python, SQL, and Power BI**. Experienced in healthcare, clinical research, sales, product, and finance analytics. Proven ability to transform complex datasets into actionable insights for executives and business stakeholders.

## Technical & Domain Skills

Snowflake (Streams & Tasks)	Redshift & SQL	dbt (Models & Tests)
Airflow (ETL Pipelines)	Python (ETL & Automation)	Power BI (Dashboards & DAX)
Kafka & Streaming Data	S3 Data Lakes	Healthcare Analytics
Sales & Product Analytics	KPI Definition & Dashboards	Remote Collaboration

## Key Achievements / Experience

- Designed and delivered production-grade data pipelines for real-time sales, revenue, and product analytics.
- Reduced reporting latency from 24 hours to 5 minutes through Snowflake Streams, Tasks, and dbt incremental models.
- Built and orchestrated Airflow DAGs with retries, SLA monitoring, and alert notifications.
- Developed executive dashboards and predictive KPIs in Power BI, optimizing decision-making for leadership.
- Implemented Kafka-based streaming solutions, Python consumers, and S3 data lakes for analytics consumption.

- Collaborated with stakeholders to define business-critical KPIs across healthcare, clinical, sales, and product analytics.
- Mentored junior analysts on SQL, Power BI, and data engineering best practices.

## Featured Case Studies

### Real-Time Sales Analytics Platform

Built a near real-time analytics platform reducing reporting lag from 24h → 5min.

- Snowflake: Streams & Tasks for incremental loading
- dbt: Staging & Fact models with tests & exposures
- Airflow: DAG orchestration with retries and alerts
- Power BI: Executive dashboards & KPIs

*Modules / Files:*

/sales-analytics/

```
├── airflow/dag_sales_pipeline.py
├── dbt/models/stg_orders.sql
├── dbt/models/fct_sales.sql
├── snowflake/streams_tasks.sql
└── powerbi/sales_dashboard.pbix
```

### Real-Time Data Engineering Platform

Designed a scalable streaming + batch data platform for multi-domain analytics.

- Kafka-based event ingestion
- Python consumers with retry handling
- S3 Data Lake (raw → curated)
- Redshift & Snowflake analytics layers
- Airflow DAG orchestration

*Modules / Files:*

/realtime-platform/

```
├── kafka/event_producer.py
├── consumers/kafka_consumer.py
├── s3/load_to_s3.py
├── redshift/copy.sql
└── airflow/dag_streaming_pipeline.py
```

## Selected Projects

### Clinical Trial Analytics Dashboard

Enrollment, outcomes, predictive KPIs for clinical research.

Modules:

/clinical-analytics/

- └─ data/clinical\_trials.csv
- └─ sql/analysis.sql
- └─ powerbi/clinical\_dashboard.pbix

### Hospital Performance & Patient Outcomes

Optimized hospital operations and patient KPIs.

Modules:

/hospital-analytics/

- └─ sql/kpi\_queries.sql
- └─ powerbi/hospital\_dashboard.pbix

### Sales & Revenue Intelligence

Automated pipelines & predictive dashboards.

Modules:

/sales-intelligence/

- └─ airflow/dag\_sales\_etl.py
- └─ sql/revenue\_metrics.sql
- └─ powerbi/sales\_dashboard.pbix

### Real Estate Investment Analytics

ROI & cash-flow analysis, multi-city investment insights.

Modules:

/real-estate/

- └─ redshift/schema.sql
- └─ sql/roi\_analysis.sql
- └─ powerbi/realestate\_dashboard.pbix

### Product Analytics Dashboard

User behavior, funnel analysis, retention KPIs.

Modules:

/product-analytics/

- └─ data/events.json
- └─ sql/funnel\_analysis.sql
- └─ powerbi/product\_dashboard.pbix

## Education

**Master's Degree in Information Technology**

Focus: Data Analytics, Databases, Information Systems

## Certifications

- Artificial Intelligence with Python — CS50
- Project Management — Google
- MySQL Database — TheNewBoston
- Python Programming — TheNewBoston
- Introduction to Financial Accounting — Saylor Academy

## Professional Strengths

- Strong communication with technical & non-technical stakeholders
- High ownership and accountability in remote environments
- Business-focused analytical mindset with proactive problem-solving
- Organized, deadline-driven, and adaptable

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