# BRIAN GWAYI

#### **About Me**

Background in Data Engineering
Working with data from 2017
Experience in banking industry

# Foundation First !!! Four Key Questions

I. Where do we consolidate our data? > Storage

II. How will we get it there ? > Ingestion

III. How will we clean it up? > Transformation

IV. How will we analyze it? > Reporting

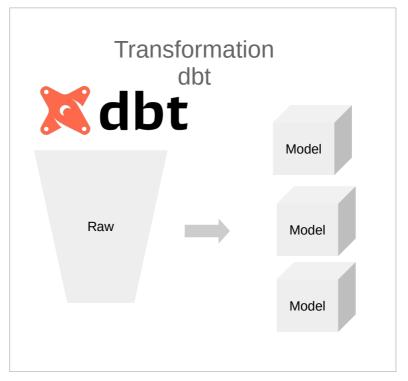
# Data Stack Popular Options

Storage > Snowflake, <u>BigQuery</u>, <u>s3</u>, Redshift Ingestion > Airbyte, <u>Airflow</u>, Fivetran Transformation  $> \underline{dbt}$ Reporting > Tableau, Power BI, <u>Looker</u>, Superset

### Architecture Design

Ingestion Airflow Source Python





Reporting Looker



## Project : E-commerce

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Storage/Database

Setting Google BigQuery

Ingestion

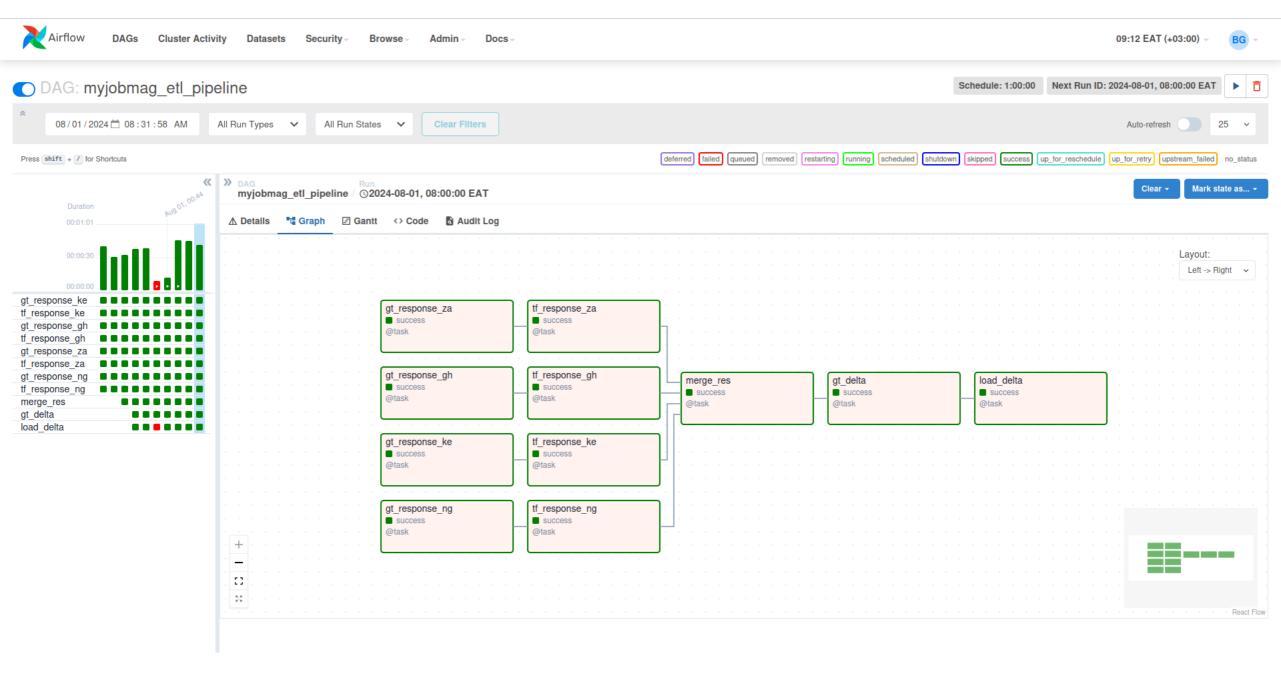
Setting up Apache Airflow Writing elt Python script Orchestrate data pipeline

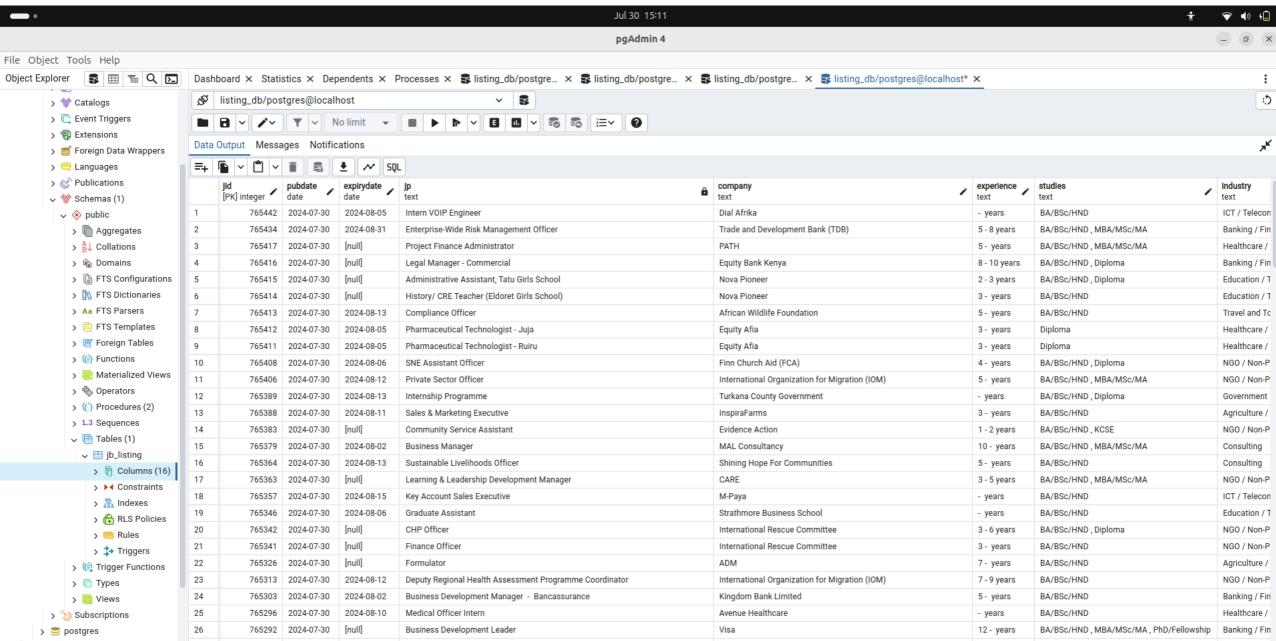
**Transformation** 

Setting up <u>dbt</u> Transformation

Reporting

Connecting **Looker** 





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