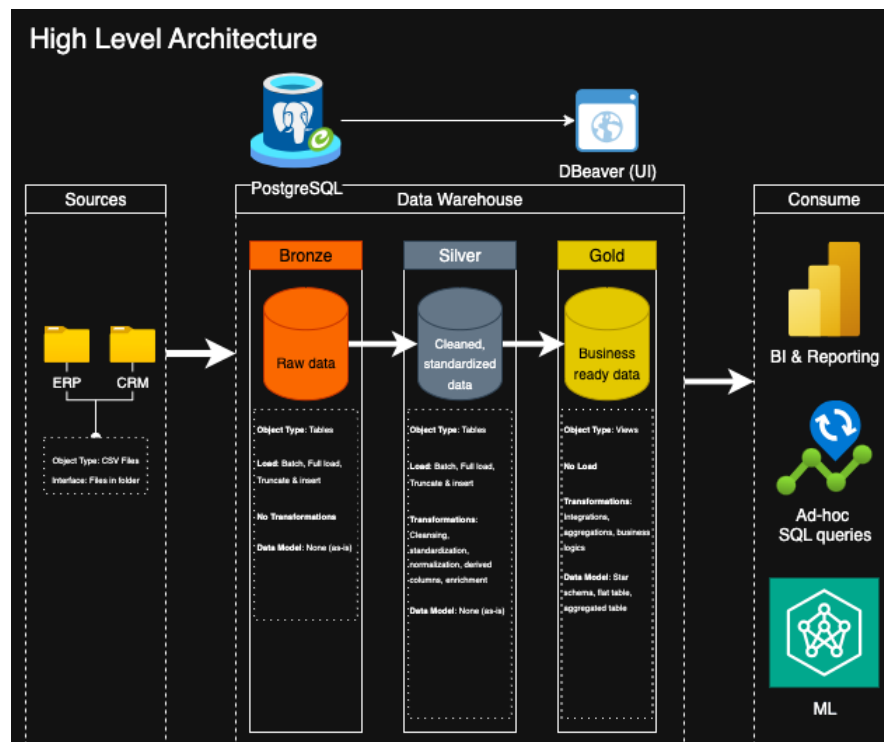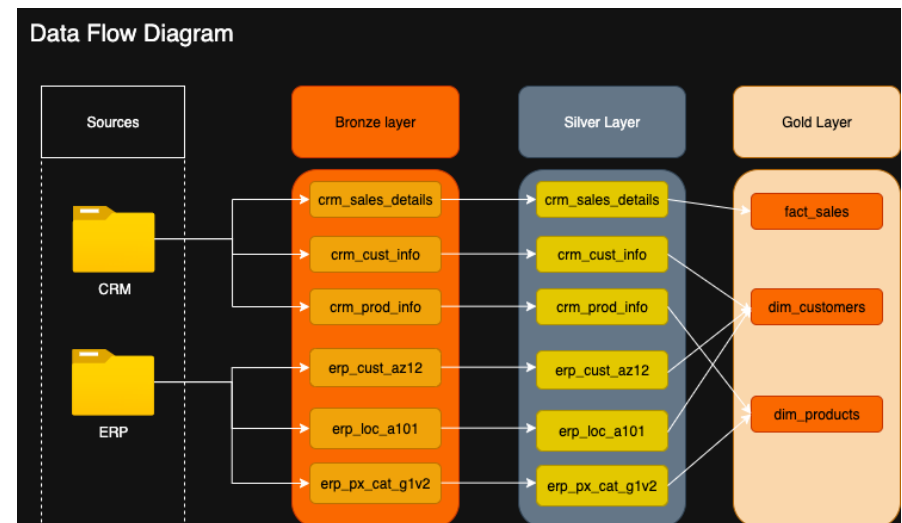# PostgreSQL Data Warehouse (Bronze–Silver–Gold)

End-to-end pipeline built in PostgreSQL with DBeaver; curated Gold layer consumed in Looker Studio.

• Goal: standardize CRM + ERP data into a scalable warehouse for BI and ad-hoc analysis.
• Bronze: raw extracts; Silver: cleaned & conformed; Gold: analytics-ready marts (star schema).
• Outcome: repeatable SQL transformations and a BI dashboard powered by Gold views/tables.

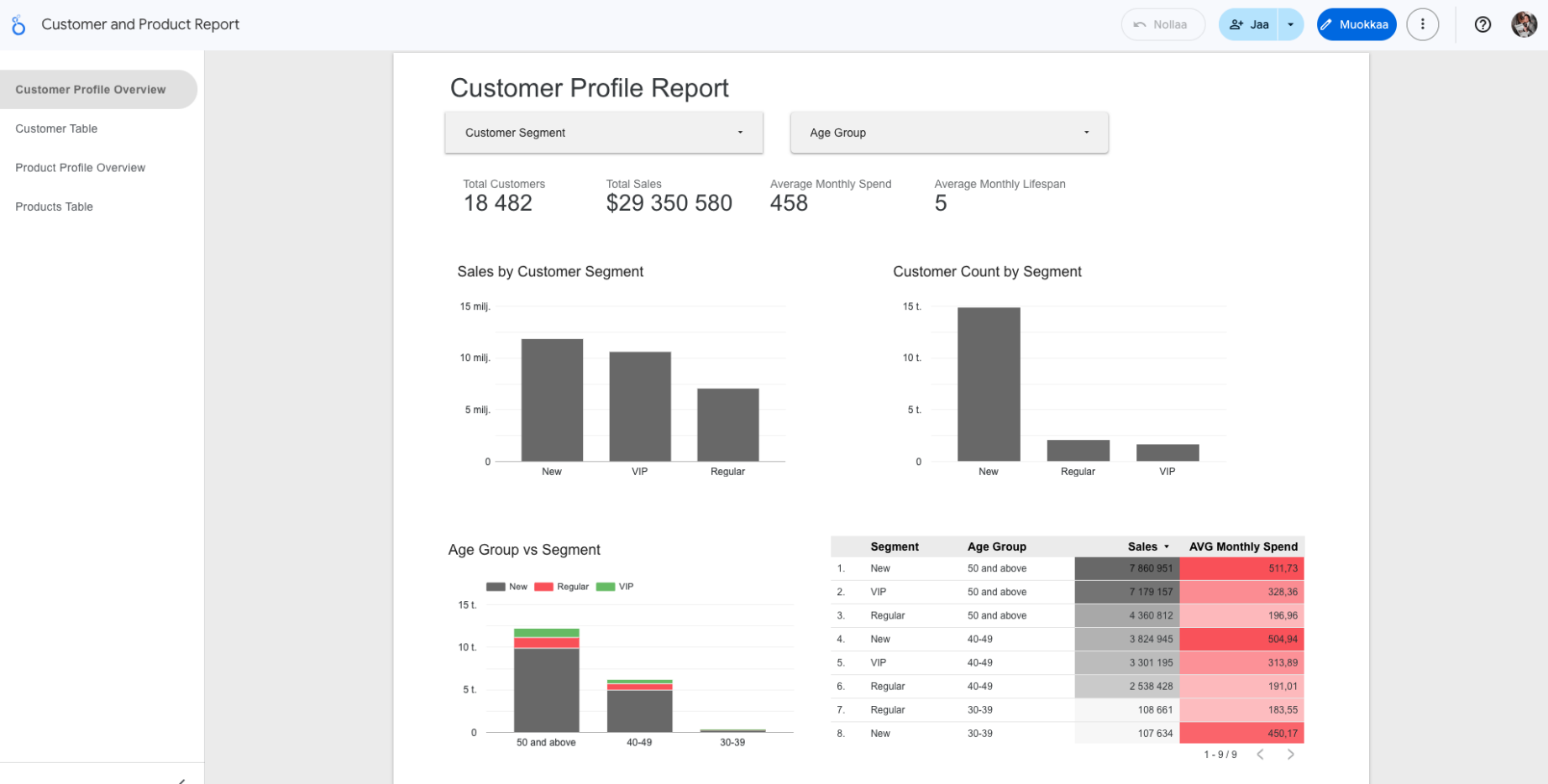

High-level architecture (layers and consumers).

Data flow from sources to curated marts.

BI Output and Design Notes

Gold layer powers self-serve reporting and consistent metrics.

• Gold layer modeled for performance and clarity: fact_sales + dim_customers + dim_products.
• Silver layer applies cleaning, standardization, conformed keys, and derived business metrics.
• Next: data quality tests, incremental loads, orchestration, and SQL migrations.

Looker Studio dashboard example (powered by Gold layer).