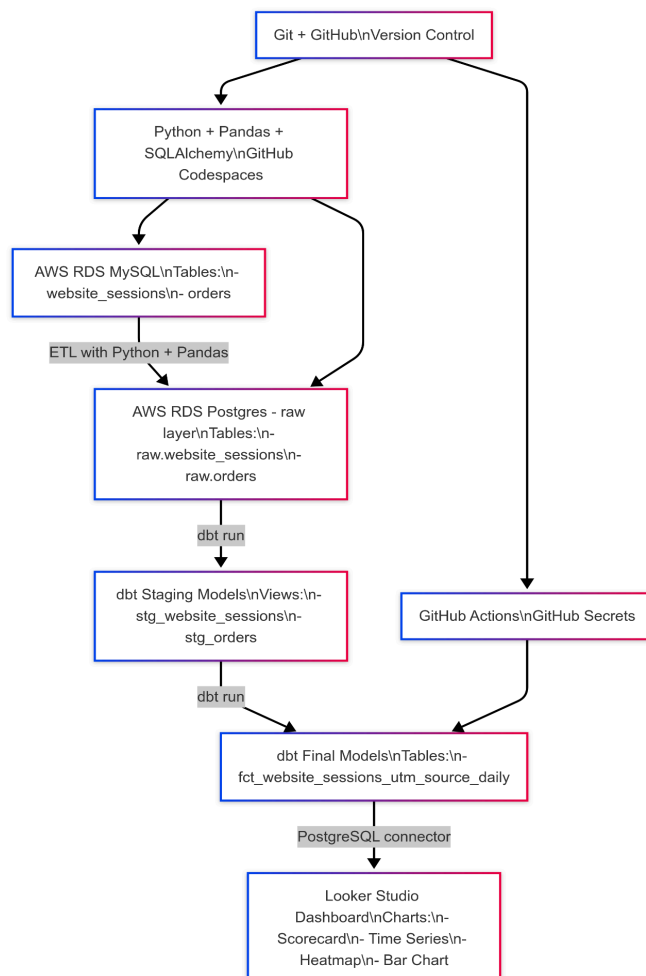


Project Summary

This repository contains a complete end-to-end data pipeline for Basket Craft, developed as part of coursework and a practical quiz. It extracts data from AWS RDS MySQL (serving as the data lake), loads it into AWS RDS Postgres (serving as the data warehouse), and transforms it using **dbt** into layered models (raw, staging, warehouse). Development tools used include Python, Pandas, SQLAlchemy, and GitHub Codespaces. GitHub Actions orchestrates scheduled pipeline runs, with secrets securely managed via GitHub Secrets. The final analytical outputs are visualized in a Looker Studio dashboard that supports interactive filtering across charts. This repository demonstrates skills in data engineering, automation, and business intelligence reporting.

Data Pipeline Diagram

Below is a visual overview of the pipeline architecture, showing each layer and tool used throughout the project:



Dashboard

<https://lookerstudio.google.com/reporting/ade5ccb1-8fce-449b-903f-ca67e681ab75>