Design Document

# Functional Requirements

* As a data engineer, I want to ingest data from different sources like APIs, files, and databases so that I can create a unified data pipeline.
* As a data analyst, I want to validate and cleanse incoming data to ensure its accuracy and reliability so that I can perform meaningful analysis.
* As a business user, I want to schedule batch processing jobs for specific datasets so that I can process large volumes of data efficiently.
* As a data scientist, I want to leverage real-time data processing capabilities to analyze trends and insights as they emerge so that I can make data-driven decisions.
* As a system administrator, I want to receive alerts when data quality issues are detected so that I can take immediate action to resolve them.
* As a developer, I want to track the lineage of data transformations so that I can understand the flow of data and identify potential bottlenecks.

# Technical Requirements

# Assumptions

# Open Questions / Risks