

ETL / ELT Data Ingestion & Analytics System

A production-grade ETL backend system built using Java Spring Boot, PostgreSQL, Docker, and REST APIs.

The system ingests data from multiple sources (API + CSV), transforms them into a unified format, stores

them in PostgreSQL, and exposes analytics and monitoring APIs.

Features:

- Data ingestion from API and CSV
- Raw data storage, normalization, and transformation
- Checkpoint-based incremental ingestion
- REST endpoints: /data, /health, /stats
- Dockerized deployment
- ETL scheduling via @Scheduled

Tech Stack:

- Java 17, Spring Boot 3, JPA/Hibernate
- PostgreSQL 16
- Docker & Docker Compose
- Maven

Run with Docker:

```
docker-compose up --build
```