



Windows

API Serving







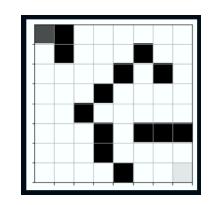


Enhancement



Data Presentation (UI)

Platform











Web UI











Python & Postgres Interface

Algorithms & Modeling







Linear regression,

preprocessing, metrics





Time Series O PyTorch

> Reinforcement Learning

Data Source & **Transformation**



Enhancement





Bureau of Labor & **Statistics**



Federal Reserve & Economic Data

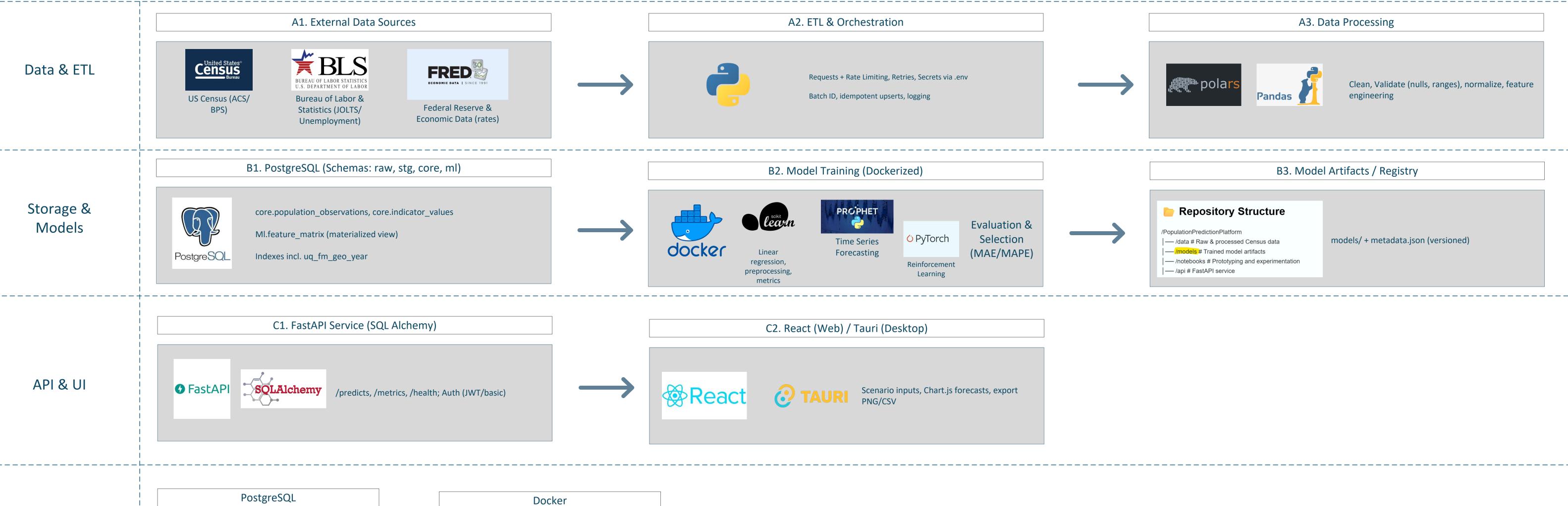






US Census API

System Architecture



Security & Observability

Row Based Access Control
PostgreSQL

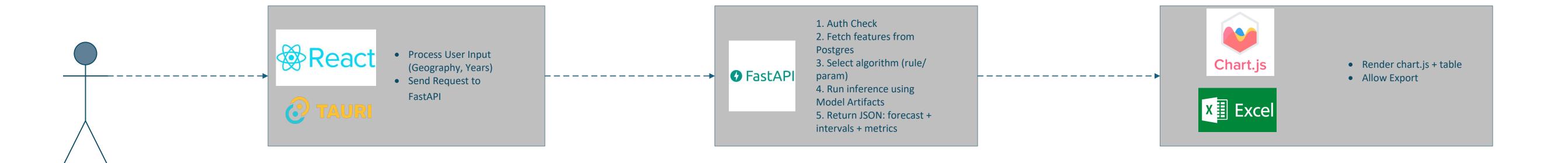
Secret management (.env)

Container Hardening

Structured Logs

Health Checks & Metrics

Request -> Predict -> Visualize



ETL Training Loop

