

API Serving

Windows Subsystem for Linux



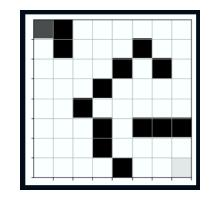






Data Presentation (UI)

Platform





Enhancement



Web UI



Database





Relational Database



Python & Postgres Interface

Algorithms & Modeling







Linear regression, preprocessing, metrics



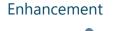
Time Series Forecasting



Reinforcement Learning

Data Source & **Transformation**









Bureau of Labor & **Statistics**



Federal Reserve & Economic

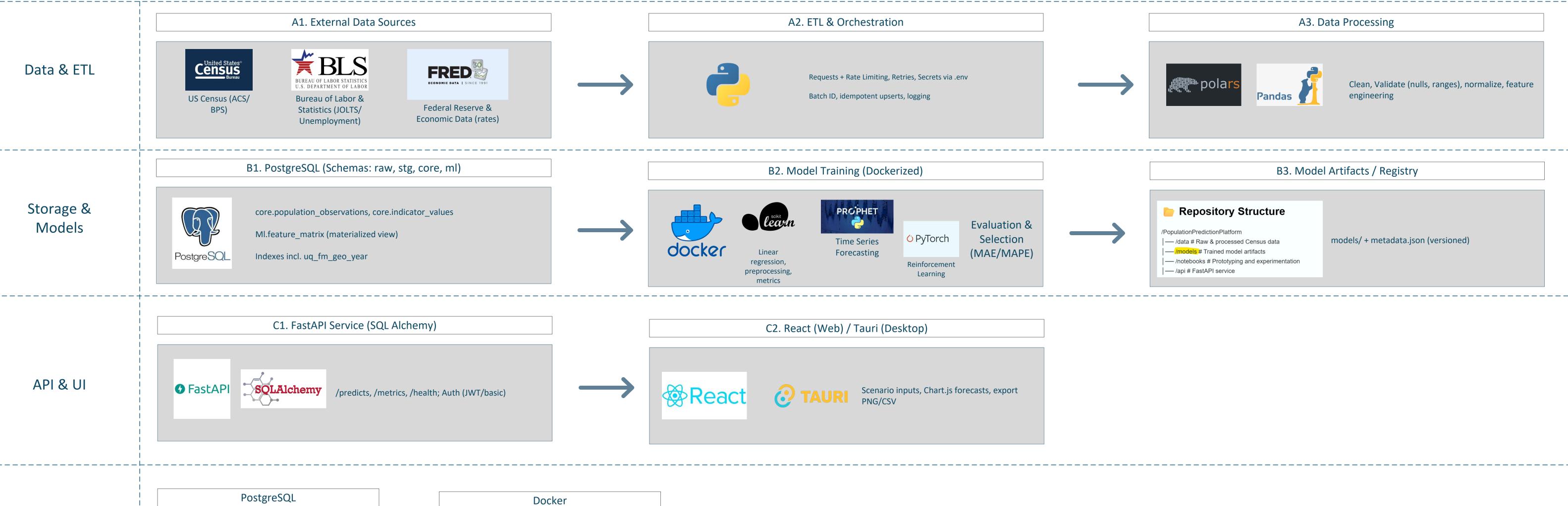


US Census API





System Architecture



Security & Observability

Row Based Access Control
PostgreSQL

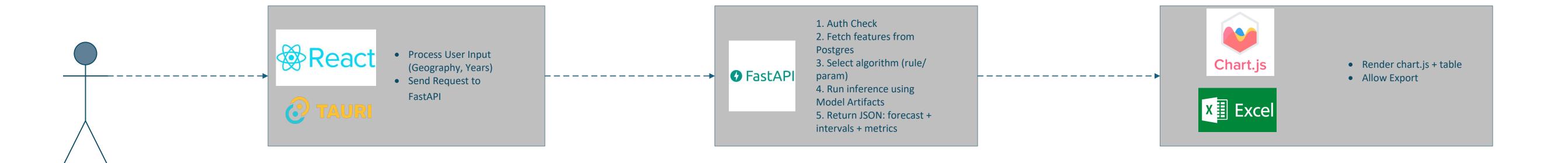
Secret management (.env)

Container Hardening

Structured Logs

Health Checks & Metrics

Request -> Predict -> Visualize



ETL Training Loop

