

City-Scale Digital Twin: High-Level Architecture

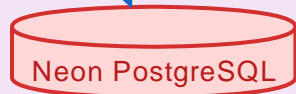
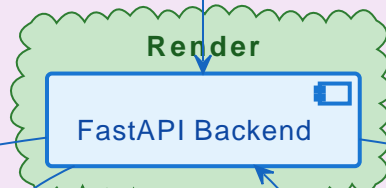


Real-time Data Stream (MQTT)



Subscribe to Topics (MQTT)

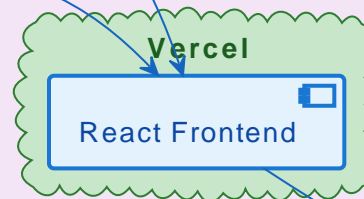
Cloud Infrastructure



Persist Data (SQL)

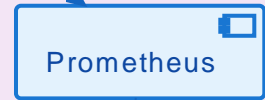
Serve Data (REST API)

User Interactions (REST API)



Scrape Metrics (HTTP)

Monitoring



Grafana

Access Dashboards

Store & Query Metrics