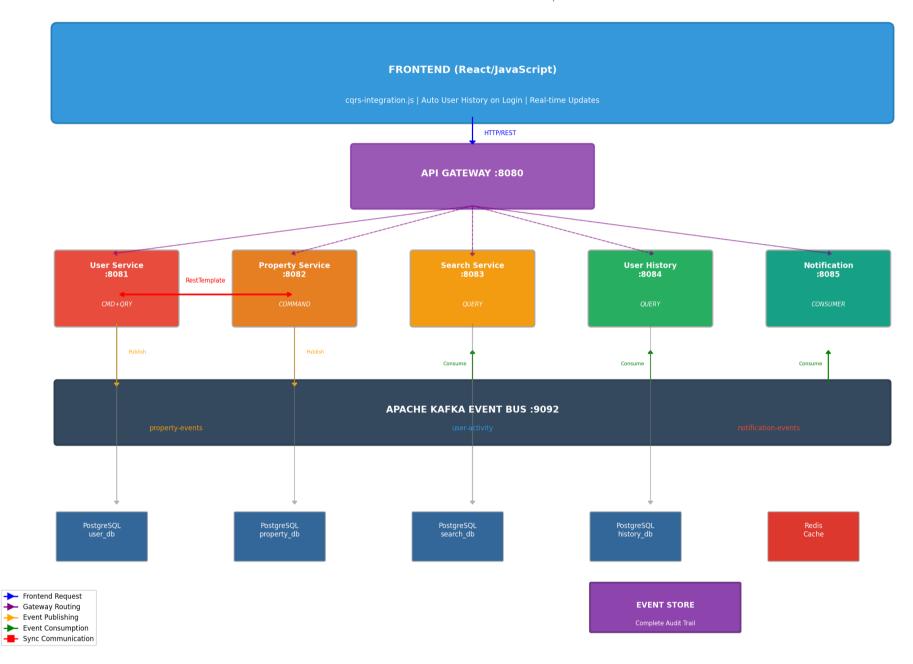


Complete CQRS Architecture with Detailed Flow Diagrams

1. Complete System Architecture

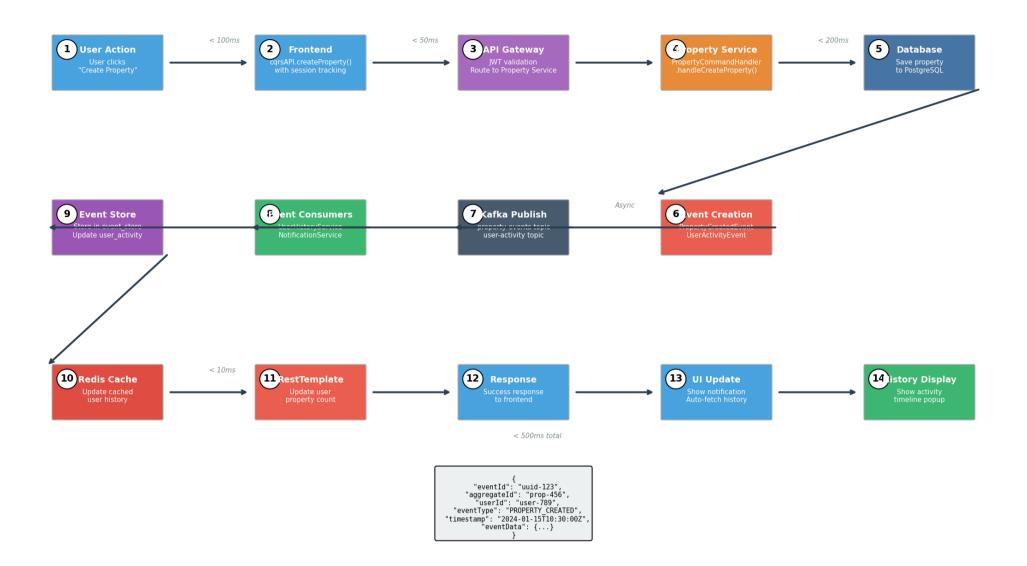
HYDERABAD INFRA - COMPLETE CQRS ARCHITECTURE

Event-Driven Microservices with Complete Flow



2. Complete Event Flow - Property Creation

COMPLETE EVENT FLOW - PROPERTY CREATION



3. API Endpoints & Data Flow

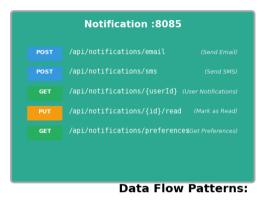
COMPLETE API ENDPOINTS & DATA FLOW











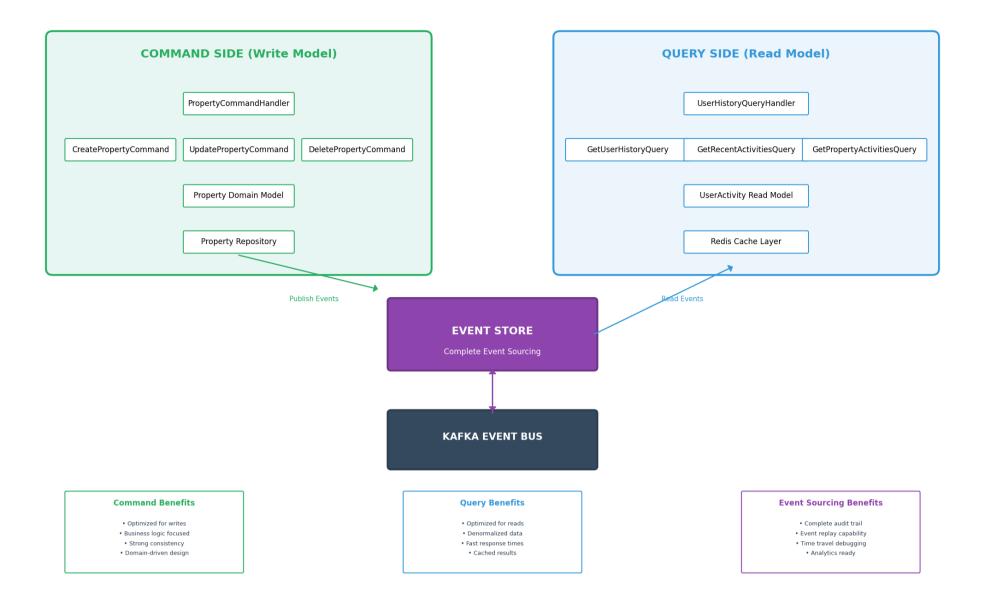


Command Flow: Query Flow:

Event Flow: Sync Flow: Frontend \rightarrow Gateway \rightarrow Service \rightarrow Database \rightarrow Event \rightarrow Kafka Frontend \rightarrow Gateway \rightarrow Service \rightarrow Cache/Database \rightarrow Response Service \rightarrow Kafka \rightarrow Consumers \rightarrow Event Store \rightarrow Read Models Service \rightarrow RestTemplate \rightarrow Target Service \rightarrow Response

4. CQRS Pattern Implementation

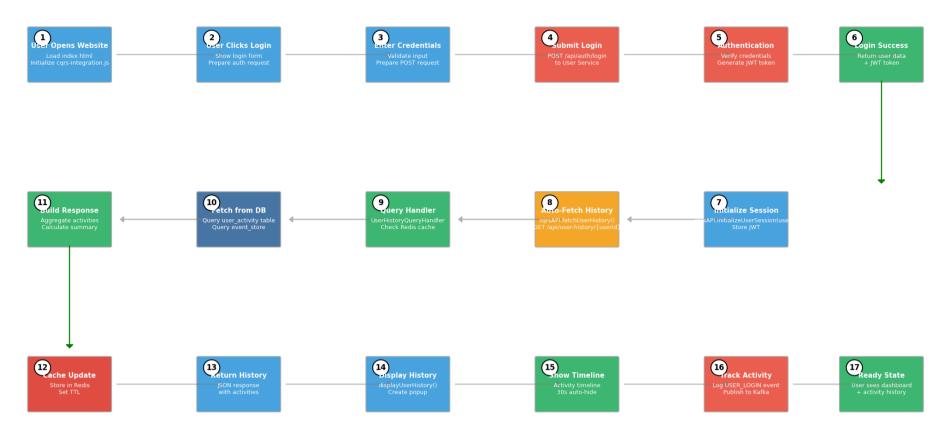
CQRS PATTERN IMPLEMENTATION



5. User Journey - Login to History Display

USER JOURNEY - LOGIN TO HISTORY DISPLAY

Complete flow showing how users get their history on login



Total Time: < 2 seconds from login to history display

Key Components Involved:

 $Frontend \ (cqrs-integration.js) \rightarrow API \ Gateway \rightarrow User \ Service \rightarrow User \ History \ Service \rightarrow Redis/PostgreSQL \rightarrow Event \ Store \ API \ Gateway \rightarrow User \ Service \rightarrow User \ History \ Service \rightarrow Redis/PostgreSQL \rightarrow Event \ Store \ API \ Gateway \rightarrow User \ Service \rightarrow User \ History \ Service \rightarrow Redis/PostgreSQL \rightarrow Event \ Store \ API \ Gateway \rightarrow User \ Service \rightarrow User \ History \ Service \rightarrow Redis/PostgreSQL \rightarrow Event \ Store \ API \ Gateway \rightarrow User \ Service \rightarrow User \ History \ Service \rightarrow Redis/PostgreSQL \rightarrow Event \ Store \ API \ Gateway \rightarrow User \ Service \rightarrow User \ History \ Service \rightarrow Redis/PostgreSQL \rightarrow Event \ Store \ Service \rightarrow Redis/PostgreSQL \rightarrow Event \ Store \ Service \rightarrow User \ Service \rightarrow Redis/PostgreSQL \rightarrow Event \ Store \ Service \rightarrow Redis/PostgreSQL \rightarrow Event \ Service \rightarrow Redis/PostgreSQL \rightarrow Redis/PostgreSQL$