



System Overview



Microservices



Database Schema



Authentication Flow



Order Flow



Deployment



Codebase Structure



Message Queue

System Architecture Overview

Full Stack E-Commerce Platform

Frontend Layer

Next.js 14 + TypeScript + Tailwind CSS
State: Zustand | Data Fetching: React Query



API Gateway (NestJS)

Request Routing | Authentication | Rate Limiting



Auth Service

Inventory Service

Order Service

Payment Service

Notification Service

User Service



PostgreSQL

Redis Cache

RabbitMQ