

TravelQuest Platform – Three-Tier Architecture

Next.js-based travel booking platform using RESTful APIs, JWT authentication, and a MySQL relational database

Presentation Layer (Next.js + React + Tailwind + Leaflet)



- Next.js Frontend
- React Components
- Tailwind CSS
- Zustand
- Leaflet.js

HTTP Requests / Responses



Application Layer (API Routes + Middleware + Business)



- Next.js API Routes
- JWT Authentication Middleware
- Business Logic Processing
- RESTful API Endpoints
- Validation Middleware

SQL Queries / Data Retrieval



Data Layer (MySQL with Relational Tables)



- User
- Admin
- Destination
- TripPackage
- Foreign Key Relationships
- ACID Compliance
- Complex JOINS