

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)

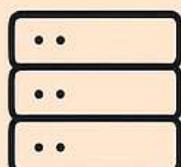


- Next.js Frontend
- React Components
- Tailwind CSS
- Zustand
- Leaflet.js

HTTP Requests / Responses



Application Layer (API Routes + Middleware + Business)

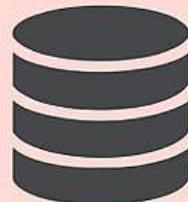


- Next.js API Routes
- JWT Authentication Middleware
- Business Logic Processing
- RESTful API Endpoints
- Validation Middleware

SQL Queries / Data Retrieval



Data Layer (MySQL with Relational Tables)



- | | |
|--|---|
| <ul style="list-style-type: none">• User• Admin• Destination• TripPackage | <ul style="list-style-type: none">• Foreign Key Relationships• ACID Compliance• Complex JOINS |
|--|---|