

ASHISH GADDALA

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Professional Summary

Full-Stack Developer with **3.8+ years** of experience designing and shipping production systems across booking engines, transactional payment systems, real-time platforms, and scalable API design. Owns features end-to-end: relational database design, REST API development, authentication and authorization, and responsive React UIs. Proven track record in system design for multi-role marketplace platforms, availability engines, and multi-gateway payment integrations, with consistent focus on correctness, performance optimization, and production reliability.

Technical Skills

Frontend: React, Next.js, TypeScript, Tailwind CSS, Framer Motion

Backend: Node.js, Express.js, REST APIs, Socket.IO, JWT, Zod

Databases: PostgreSQL, MongoDB, Prisma ORM, Mongoose, Redis

Auth & Security: Firebase Authentication, JWT, RBAC, bcryptjs, HTTP-only Cookies

Payments & Integrations: Stripe, Razorpay, Clouinary, Google Maps API, Mapbox, Supabase

Testing & Tooling: Playwright, Git, Postman, Vercel

Experience

Evan Rios Projects LLC

Dec 2025 – July 2026

Full Stack Developer | Product: G-NI, International Student Relocation Marketplace

Remote

- Developed a multi-role accommodation marketplace using **React 19, TypeScript, Next.js 16 App Router** (RSC, Server Actions), **Tailwind CSS, Framer Motion, PostgreSQL, Prisma ORM, Firebase Auth, Stripe, Razorpay, Socket.IO, Redis, Mapbox, Google Maps API**, and **Supabase Storage**; designed a 30+ model relational database schema covering bookings, properties, relocation packages, messaging, drivers, and payouts.
- Built a **transactional booking engine** handling bed and room inventory allocation, calendar availability computation, and user overlap prevention to eliminate double-booking race conditions across a concurrent shared inventory system.
- Designed a **configurable pricing engine** with stay-length discounts, platform margins, and service fees, storing cent-precision snapshots per booking to ensure historical totals remain immutable when pricing configuration changes.
- Architected a **dual-gateway payment system** with Stripe and Razorpay, geo-based provider routing across user profile, nationality, and geoIP signals, idempotent webhook handlers, and checkout-resume flows for multi-step relocation packages.
- Implemented **authentication and RBAC** using Firebase Auth with session-cookie SSR, route-level proxy middleware, and server-side role assignment across a 5-role system (Student, Host, Driver, Admin, Guest) with soft-delete and 15-day account recovery.
- Shipped a **real-time driver tracking system** via a standalone Socket.IO server decoupled from the Next.js application for independent scalability, with Google Maps ETA, OTP-verified pickup, and full trip lifecycle management.
- Engineered **performance optimization** into the availability layer with Redis-backed caching, in-memory fallback, and mutation-triggered cache invalidation; implemented timezone-safe UTC booking logic with production backfill scripts.
- Built a **multi-step relocation workflow** for housing, airport pickup, SIM, transport, and banking packages with admin fulfillment tracking, OTP email verification, and drag-and-drop CMS tooling for universities and cities.

Infosys Ltd.

April 2022 – March 2025

System Engineer | Product: Full-Stack Hotel Booking Platform

Hyderabad, India

- Designed and built a full-stack hotel booking platform on the **MERN stack** with multi-criteria search (destination, star ratings, facilities, price range), a modular **REST API** with server-side pagination and dynamic sorting, and a MongoDB schema with nested booking documents for efficient inventory queries.
- Implemented **JWT-based authentication** and RBAC using bcryptjs password hashing and HTTP-only session cookies, enforcing secure, role-based route protection across all API endpoints for guest and hotel owner roles.
- Integrated **Stripe payment processing** with server-side payment intent verification and metadata-based fraud prevention; built a Clouinary CDN image pipeline via in-memory file buffering, and delivered a Playwright **E2E test suite** across three browsers covering auth, search, booking, and hotel management flows.

Education

B.V. Raju Institute of Technology

2017 – 2021

B.Tech in Electronics and Communication Engineering

Hyderabad, Telangana