

RAVI KUMAR NERSU

SENIOR FULL-STACK ENGINEER

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PROFESSIONAL SUMMARY

Full-stack architecture owner with 8.5+ years of experience delivering high-traffic, performance-critical web platforms across 15+ global markets. Drove ~50% page load reduction and ~40% developer velocity improvement through microservices adoption, BFF architecture, and SSR optimization on a platform serving millions of monthly users. Deep expertise in React, Next.js, TypeScript, Node.js/NestJS, AWS, and System Design — with a track record of translating architectural decisions into measurable business outcomes across automotive, logistics, enterprise IT, and e-commerce domains.

TECHNICAL SKILLS

Frontend: React.js, Next.js (App Router, SSR/SSG/ISR), TypeScript, JavaScript (ES6+), Redux, Zustand, Tailwind CSS, Material-UI, Responsive Design, Accessibility (WCAG), Core Web Vitals

Backend & APIs: Node.js, NestJS, Express.js, REST APIs, GraphQL, Microservices, Backend-for-Frontend (BFF) Pattern, System Design, WebSockets

Data & Infrastructure: PostgreSQL, MySQL, MongoDB, Redis, Docker, Kubernetes, AWS (EC2, S3, Lambda, CloudFront), CI/CD (GitHub Actions, Jenkins), Nginx, Git

Quality & Practices: Jest, Playwright, Cypress, React Testing Library, Test-Driven Development (TDD), Agile/Scrum, Performance Auditing (Lighthouse), Technical Mentorship

PROFESSIONAL EXPERIENCE

LTIMindtree — Specialist Software Engineer

Jan 2024 – Present | Hyderabad, India

Client: Avis Budget Group — Global Digital Platform (15+ Countries, Millions of Monthly Users)

- **Architected microservices-based platform** spanning React/Next.js (App Router, SSR/ISR) frontends and NestJS backend services — supporting 15+ country markets with 99.9% uptime SLA and millions of monthly active users
- **Delivered ~50% page load reduction** through server-side rendering optimization, Redis caching, and AWS CloudFront CDN configuration — directly improving Core Web Vitals scores and contributing to measurable conversion rate uplift across key booking flows
- **Designed BFF (Backend-for-Frontend) services** with NestJS that unified 8+ downstream APIs into single aggregated endpoints — reducing frontend-backend coupling and improving developer velocity by ~40% across 3 cross-functional squads
- **Led monolith-to-microservices migration** enabling independent deployments per region — increasing release frequency from bi-weekly to multiple daily deployments with zero-downtime releases
- **Built reusable UI component library** and modular frontend architecture, reducing UI development time by ~40% across enterprise B2B portals and campaign analytics dashboards
- **Established CI/CD pipelines** (GitHub Actions) and testing standards (Jest, Playwright) — reducing production defect rate by ~30% and achieving 85%+ code coverage across frontend and BFF layers
- **Mentored 5+ junior/mid-level engineers** on React/Next.js patterns, component architecture, and system design principles in Agile/Scrum environment

React • Next.js (App Router) • NestJS • TypeScript • Redux • Tailwind CSS • Redis • Docker • Kubernetes • AWS • CI/CD • GraphQL

MSR COSMOS IT LLP — Senior Software Engineer

Aug 2020 – Jan 2024 | Hyderabad, India

Client: TMILL — Tata Martrade International Logistics Limited

- **Owned end-to-end delivery** of 6+ web modules across Railways, SCM, and MLS business units — from React/Next.js frontends to Node.js/Express backend services and PostgreSQL/MySQL database design
- **Architected RESTful APIs** powering high-volume logistics workflows processing 5,000+ daily transactions across multiple business units — achieving 99.5%+ API uptime in 24/7 operational environments
- **Built real-time operational dashboards** with data visualization (charts, heatmaps, KPI widgets) and live monitoring — reducing manual reporting effort by ~60% for operations teams
- **Implemented RBAC and secure authentication** for 200+ internal users and external logistics partners — eliminating unauthorized access incidents and passing security audits
- **Optimized database queries and frontend rendering** — reducing average page load from 4.2s to 1.8s and improving system reliability for mission-critical 24/7 operations

React • Next.js • Node.js • Express.js • TypeScript • PostgreSQL • MySQL • REST APIs • Redis

Allmvr Projects Pvt. Ltd — Full-Stack Developer

Jun 2019 – Aug 2020 | Vijayawada, India

- **Built multi-vendor e-commerce platform** (Angular 9, Angular Material, Node.js) handling end-to-end order lifecycle — onboarding, payments, real-time tracking — supporting 50+ vendors and 10,000+ monthly orders
- **Integrated payment gateways and OTP verification** — achieving 99.2% transaction success rate and reducing checkout abandonment through streamlined UX flows
- **Delivered Figma-to-production features** in 2-week Agile sprints with consistent on-time delivery, translating wireframes through RESTful API integration to responsive, mobile-first UI

Angular 9 • Angular Material • TypeScript • RxJS • REST APIs • Node.js

Xelpro Software Solutions & Whatsscore Pvt. Ltd — Software Developer

Jun 2017 – Jun 2019 | Hyderabad, India

- **Developed sports event management platform** (Angular v4–7, Angular Material, TypeScript) — serving 100+ tournaments with live scoring, bracket generation, and event scheduling
- **Built reactive, component-driven UI** with RxJS-based state management and RESTful API integrations for real-time data updates across web and mobile viewports

Angular • Angular Material • TypeScript • RxJS • REST APIs • HTML5 • CSS3

KEY ACHIEVEMENTS & BUSINESS IMPACT

- **~50% Page Load Reduction / Conversion Impact:** Architected SSR, Redis caching, and CDN strategy for Avis Budget Group's global platform — directly improving Core Web Vitals and contributing to measurable booking conversion uplift across 15+ markets
- **Monolith → Microservices at Scale:** Decomposed tightly coupled monolith into independently deployable services — increasing deployment frequency from bi-weekly to daily and enabling parallel development across 3 distributed teams
- **~40% Developer Velocity Improvement:** BFF architecture with NestJS unified 8+ downstream APIs, reducing frontend integration complexity and accelerating feature delivery across regions
- **Cross-Domain Enterprise Delivery:** Shipped production systems across automotive (Avis), enterprise IT (Ingram Micro), logistics (Tata/TMILL), e-commerce (Allmvr), sports tech — B2C and B2B at scale

EDUCATION

Bachelor of Technology (B.Tech) — Computer Science and Engineering

KL University, Guntur | 2013 – 2017

ADDITIONAL INFORMATION

Target Roles: Senior Full-Stack Developer | Senior Full-Stack Engineer | Senior Frontend Engineer | Senior Software Engineer

Visa: Relocating to Dubai May 2026 on UAE Job Seeker Visa (MOHRE Skill Level 2). Available for remote interviews. Open to employer-sponsored work visa.