

NIRANJAN RAJU

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PROFESSIONAL SUMMARY

Frontend & Full Stack Developer with 2+ years of experience building high-performance web applications, specializing in **React.js**, **Next.js**, **TypeScript**, and **real-time visualization systems**. Proven track record in optimizing performance, implementing scalable architectures, and enhancing user experience. Strong exposure to geospatial visualization (OpenLayers, AMSL) and real-time data systems for drones.

CORE SKILLS

Languages: JavaScript, TypeScript, HTML5, CSS3

Frontend: React.js, Next.js, Redux, Zustand, TailwindCSS, Material UI, shadcn/ui, Tamagui

Backend: Node.js, Express.js, Nest.js

Databases: MongoDB, PostgreSQL, Redis

Tools & Others: Docker, Git, WebSockets, Socket.io, REST APIs, Cloudinary, OpenLayers

PROFESSIONAL EXPERIENCE

Software Developer Engineer 1, Skytex Unmanned Aerial Solutions Mar 2025 – Present

- Designed **Offline Map System** with OSM & Google Maps tile caching, improving large-area load speed by **25%**.
- Built **real-time AMSL graph** for drone telemetry with automated **terrain-collision detection**, enhancing flight safety.
- Developed **Drone Parameter CRUD APIs** with Redis caching, reducing response times by **50%**.
- Tech stack:** React.js, TypeScript, Redux, TailwindCSS, Node.js, Express.js, Redis, PostgreSQL, Docker, OpenLayers, WebSockets.

Software Developer, FlyingFox Labs Pvt Ltd Feb 2024 – Feb 2025

- Customized **Keycloak themes & SSO integration**, cutting onboarding time by **30%**.
- Built **Meeting Scheduling App** with real-time availability, reducing the booking time by **30%**.
- Developed a **real-time multiplayer game** with Socket.io, boosting interactivity & engagement.
- Tech stack:** React.js, Next.js, TypeScript, Zustand, Nest.js, MongoDB, Docker.

Frontend Developer Intern, KLUBSTACK Jun 2023 – Jan 2024

- Built **Email Automation App** using Next.js, improving interactivity by **25%**.
- Migrated large codebase to **Next.js + TypeScript**, increasing maintainability by **30%**.
- Optimized performance with **15% faster page load times**.
- Tech stack:** Next.js, React.js, Redux, TailwindCSS, shadcn/ui, Material UI.

PROJECTS

Trendset Web App (MERN E-commerce platform) Demo

- Features:** JWT authentication, cart, wishlist, user profiles.
- Achieved **40% faster performance** and **35% engagement growth** by leveraging Next.js & TailwindCSS.
- Implemented **Cloudinary integration** for optimized media storage, reducing image load times by **25%**.

MentorsKlub Web App (Meeting Scheduling Platform) Demo

- Built role-based access for Mentors & Mentees with JWT authentication.
- Improved scheduling efficiency by **30%** and accessibility by **40%**.
- Designed a responsive UI with Material UI & TailwindCSS, ensuring seamless experience across devices.

EDUCATION

KKR and KSR Institute of Technologies and Sciences, B.Tech in EEE, CGPA: 7.01

Aug 2019 – May 2023