Rayavarapu Karthikeya

Software Developer | React | Next.js | React Native | Mern

📞 +91 9398948748 | ✉ karthikeyarayavarapu1504@gmail.com | 🌐 LinkedIn

Professional Summary

Results-driven Software Developer with 3 years of hands-on experience in building scalable web and mobile applications using **React.js, Next.js, React Native, and ExpressJs** Proficient in developing reusable UI components, integrating REST APIs, and optimizing frontend performance with modern tools like **Redux Toolkit, TanStack Query, and Zod**.
Experienced in Docker-based CI/CD pipelines and cloud deployment using AWS S3 and Kubernetes. Published a mobile app on Google Play Store and recognized for delivering clean, maintainable, and high-performing code under tight deadlines.

Technical Skills

Frontend: React.js, Next.js, React Native, Material UI, Tailwind CSS, Redux Toolkit, TanStack Query, Zod
Backend: Node Js,ExpressJs
Programming: TypeScript, JavaScript, Python
Database: SQL,MongoDB
DevOps & Cloud: Docker, Kubernetes, AWS (S3), CI/CD pipelines
Tools & APIs: Axios, Swagger, Bitbucket, Git, Zoho Projects
Testing: Jest (Unit & Integration Tests)

Professional Experience

ENERVOIR Power Systems Private Limited | *Frontend Developer*

📅 Apr 2023– Present
Project: SaaS Inventory Management System
Tech Stack: Next.js, Tailwind CSS, Redux, TanStack Query, Zod, Axios, ExpressJs, MongoDB, Docker, Kubernetes, AWS S3

- Developed dynamic and responsive UIs with Next.js and Material UI, enhancing load times and usability.

- Integrated REST APIs with Axios and implemented CRUD operations for inventory modules.

- Managed server state and API caching using TanStack Query for real-time data sync.

- Applied schema validation using Zod for error-free form submission and data integrity.

- Designed and integrated file/image upload features with AWS S3 buckets.

- Collaborated with backend team to develop and test RESTful services using ExpressJs and MongoDB.
- Implemented Docker-based local environments and participated in CI/CD setup for automated build and deployment.

ENERVOIR Power Systems Private Limited | *Mobile Application Developer*

📅 Jan 2023 – April 2023
Project: Rental Bike Application (Android & iOS)
Tech Stack: React Native, Expo, Tailwind CSS, Redux, REST API, Jest

- Developed a cross-platform mobile app for rental bikes using React Native and Expo.

- Built custom UI components with Tailwind CSS and integrated REST APIs for real-time booking data.

- Managed complex state using Redux Toolkit and enhanced user interaction efficiency by 30%.

- Created unit and integration tests with Jest to ensure code stability across multiple platforms.

- Published the app on Google Play Store and implemented OTA updates for seamless releases.

Achievements

- **Published App:** Developed and released "MUVNW" Rental Bike App on Google Play Store (React Native + Expo).

- **Certifications:** Python (Intermediate – HackerRank).

- **Problem Solving:** Solved 15+ LeetCode challenges focusing on algorithms and data structures.

- **Performance Recognition:** Acknowledged for delivering optimized frontend and mobile modules under tight timelines.

- **Continuous Learning:** Adopted modern frontend libraries (Zod, TanStack Query, Docker) to enhance productivity.

Education

Bachelor of Engineering (B.E.) – Mechanical Engineering

Bapatla Engineering College, Andhra Pradesh – 2022