Muhammed Nihal.k

MERN STACK Developer

✉ muhammednihalk4@gmail.com 📞 6238333134 📍 Malappuram, Kerala ⦿ Nihalkarimbil

Profile Summary

Iam a Dedicated and self-taught MERN stack developer with a strong foundation in building dynamic, responsive web applications. Proficient in React, Redux, Node.js, Express, and MongoDB, with hands-on experience in implementing full-stack solutions. Skilled in problem-solving, optimizing performance, and writing clean, maintainable code.

Technical Skills

Programming Languages : Javascript ,Typescript
Frontend Technologies : HTML5, CSS3, React.js, Redux, Next.js, Taiwind Css, Material UI, Material Tailwind
Backend Technologies : Node.js, Express.js, Mongo DB, Atlas
Deployment : vercel ,Render
Tools and Libraries : Git, Github, Postman, Multer, Node mailer, Trello, Socket i.o, AWS s3 Bucket
Integration : JWT, OAuth2 —Google, Cloudinary, Razor Pay, Stripe ,Jemini AI

Professional Experience

Bridgeon Solutions, *Intern* May 2024 | Manjery, india
- **Designed and developed** responsive, user-friendly web applications using the **MERN Stack**
- **Built and optimized** scalable **RESTful APIs** with **Express.js** and **Node.js**, ensuring **high performance and efficiency**.
- **Implemented Git** for **version control**, collaborated on **code reviews**, and maintained **high-quality coding standards**.
- **Actively participated** in **team discussions** and **scrum meetings**, staying updated with **industry trends and best practices**.

Projects

VitalAid, *Application for Health care management (Team Project)* 🔗 January 2025 – February 2025

Key Achievements
- Developed the **frontend** using **Next.js, TypeScript, Tailwind CSS, and Material UI**, ensuring a **modern and responsive UI**.
- Built a **scalable backend** with **Node.js** and **Express.js**, optimizing **API performance** and **data management**.
- Implemented **JWT authentication** and **Google Authentication** for secure **user sessions** and **access control**.
- Developed a **real-time doctor-patient chat system** using **Socket.IO** 🔗 , enabling **instant communication**.
- Integrated **JemniAI** for **automated patient health reports**, enhancing **diagnostic accuracy**.
- Utilized **AWS S3** for **secure storage** of medical records, prescriptions, and reports, ensuring **data integrity**.
- Implemented **email verification** with **Nodemailer**, strengthening **account security**.
- Built a **dynamic appointment booking system** using **Socket.IO** 🔗 , allowing **real-time scheduling and updates**.
- Developed an **admin dashboard** to manage **users, doctors, volunteers, blood donors, and equipment**, streamlining **operations**.
- Designed **three distinct modules** (**User, Doctor, and Admin**) with specific **role-based functionalities**.
- Used **TanStack Query** and **Redux** for **efficient data fetching and state management**.
- Implemented **TypeScript** on both the **frontend and backend**, improving **code maintainability and type safety**.
- Managed and optimized the **MongoDB database**, ensuring **efficient queries and accurate data handling**.

Technologies
Stack: React.js, Next.js, TypeScript, Node.js, Express.js, MongoDB
Libraries & Integrations: Redux, TanStack Query, JWT, Google Authentication, Socket.IO 🔗 , Razorpay, Nodemailer

ownbnb, *a clone application of airbnb (Individual Project)* 🔗 December 2024 – January 2025

Key Features
- Designed a user-friendly interface using **Tailwind CSS**.
- Developed a **fully responsive application** to ensure optimal user experience across devices.
- included **Google authentication** for user login and register
- Created three modules: **User**, **Host**, and **Admin**, each with distinct functionalities.
- Enabled **users** to view listings and book sites for a night.
- Allowed **hosts** to add listings, update booking statuses, and view booking details.
- Integrated **Material-UI** and **Tailwind CSS components** for enhanced UI design.
- Implemented **JWT** authentication and **Stripe** for secure payment processing.
- Developed and optimized the **backend** with a **RESTful API** using **Express.js** and **Node.js**.

Technologies
- React.js, MongoDB, Node.js, Tailwind CSS, Stripe pay, MUI, Vercel, Render

Education

Calicut University, *Bachelor Of Commerce*