KISHAN LAL RAI

Frontend Developer

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Technical Skills

Frontend Technologies: HTML, CSS, JavaScript (ES6+), TypeScript, Tailwind CSS
Frameworks & Libraries: React.js, Next.js, Redux, RTK Query, GraphQL, React Query
Testing Libraries : Jest, Storybook
Backend Technologies: Node.js, Strapi, Nest.js

Experience

Codemonk   **May 2022 – Present**
Software Engineer   *Bengaluru, Karnataka*

Vaydyn | **A GCU(Ground Control Unit) Application**

- **Led development of an advanced mission planning interface** featuring **complex geospatial path planning**, reducing mission planning steps from **10+ to just 4**.
- Implemented **scalable state architecture** supporting **concurrent data processing** and seamless **WebSocket integration** for dynamic mission-critical information display.
- Implemented **robust state management** using **Redux**, optimizing multi-stream data processing and creating responsive UI for mission-critical visualizations.
- Leveraged **Tauri and React** to develop a cross-platform drone Ground Control Station application for Mac, Linux, and Windows, integrating open-source PX4 flight log analytics for comprehensive post-flight analysis.

Airo | **AI-Driven Smart Air-Con Solutions for Sustainable Living**

- Developed the **e-commerce application with server-side rendering**, enhancing SEO, performance, and user experience, contributing to higher visibility and engagement in the Singapore market.
- Created a **responsive admin portal** for inventory management tailored to the Singapore market, allowing real-time tracking of **20+ product SKUs**..
- **Implemented a secure authentication flow** with cross-device sessions, enabling seamless onboarding, password resets, and personalized experiences.

Rhythm UI | **A Component Library**

- Developed **customizable component library** using CSS variables and Tailwind, collaborating with 7+ developers to create a reusable design system deployed across **10+ client projects**, significantly improving development efficiency and UI consistency.
- Built **accessible, responsive components** aligned with **WCAG standards**, ensuring compatibility across devices, browsers, and screen readers.
- Developed a **comprehensive showcase application** for all components and **maintained a consistent design system** with detailed documentation in **Storybook**.

Codemonk | **Digital Product Development Hub**

- Revamped the company website from Hugo to a modern **Next.js**-based architecture, enhancing scalability, performance, and maintainability. Achieved a **significant reduction in initial page load time**, improving user experience and retention.
- Developed a **blog section** tailored for the **marketing team**, enabling **seamless content management**. This improvement contributed to generating **50+ new leads monthly** and streamlined efforts for a team of **5 marketers**.
- Integrated **Airtable** with the careers page, enabling dynamic content management and seamless updates while adhering to **SEO best practices**, improving page visibility and user engagement.

Open Source Contribution

Rocket.Chat | **A Communication Platform**

- Fixed visibility issues and strengthened real-time updates, which enhanced productivity.
- Resolved text formatting and UI bugs to enhance communication clarity and user interface responsiveness, resulting in smoother platform performance. **View my closed pull requests on GitHub**

Education

Ambedkar Institute of Technology   **Aug 2019 – May 2022**
Diploma in Digital Electronics   *Delhi*