MANICKA VASAGAM D

React Developer || Immediate Joiner

Software developer with 2+ years of experience in building scalable, high-performance web applications using Next.js, React.js. Skilled in writing efficient, testable code, optimizing API calls, and contributing across the product development lifecycle. Passionate about designing and developing low-latency, high-availability applications for mission-critical systems while continuously exploring new technologies to drive innovation.

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## **Career Objective**

A passionate and driven software developer who believes that pressure and challenges are key to personal and professional growth. I thrive in dynamic environments, where I enjoy simplifying complex problems through innovative and efficient technological solutions. With a solid foundation in React.js, Next.js, and modern web development practices, I aim to contribute to building impactful, high-performance applications that solve real-world problems and deliver meaningful user experiences.

## **Professional Experience**

* Software Engineer

Gove Enterprises | Dec 2023 – Present

* Designed, developed, and maintained scalable, high-performance web applications using Next.js and React.js, ensuring high availability and responsiveness with the MUI framework.
* Improved code reusability and global state management (Zustand), reducing unnecessary API calls by 20% and enhancing overall application efficiency.
* Wrote well-structured, testable, and efficient code, optimizing the existing codebase to achieve a 15% improvement in application load time.
* Collaborated across the entire product development lifecycle, from requirement analysis to deployment, ensuring compliance with design specifications.
* Mentored interns and freshers by providing training on code architecture, best practices, and performance optimization in React.js and Next.js.
* Researched and implemented new technologies and alternatives to drive continuous improvement and architectural enhancements.

## **Projects**

* **Snake Game**

Developed a classic Snake Game using vanilla JavaScript, HTML, and CSS with real-time movement and responsive controls. Implemented food consumption, growth mechanics, and collision detection for a dynamic and engaging user experience.

For Live Demo:<https://snake-game-ec9921.netlify.app/>

* **Multi-Tenant Inventory Management System**

Developed a scalable inventory management system for multiple tenants to efficiently track and manage large-scale inventories. with dynamic authentication, role-based access, real time CRUD operations with inventory items in real-time while handling large data volumes with optimal performance. Focused on building a responsive UI with MUI and integrated global state management using Zustand for redundant API calls.

* **Mojito Cocktails Website**

Designed and developed an interactive website for a Mojito cocktail shop using React and GSAP for smooth animations. Also includes a scroll-based animation where a cocktail glass is visually filled as a realistic ice cubedrops intoit when the user scrolls down. When scrolling up, the ice cube animates back upward, reversing the effect.

For Live Demo: <https://mojito-iota.vercel.app/>

## **Skills**

* Technical Skills
* CSS, JavaScript, Next.js, React.js, RxDB, MUI, GSAP, Node.js, HTML.
* Global State Management Tools: Zustand.
* **DevOps Tools:** Familiar with using Docker and Jenkins.
* Problem Solving: Skilled at efficiently manipulating large volumes of data with a strong focus on optimizing time and space complexity.
* Soft Skills
* Leadership, Creative & Logical Thinking, Communication, Team Collaboration, understanding product requirement.

## **Education**

Bachelor of Engineering (EEE)

* Nandha Engineering College, Perundurai | CGPA: 7.5 | 2018–2022

## **Languages**

* Tamil: Speak, Read, Write
* English: Speak, Read, Write.