

# Vipin Raj R

MERN Full Stack Developer

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## Profile Summary

Experienced developer skilled in designing and implementing efficient web applications and ERPs. Proficient in developing scalable solutions using leading-edge technologies. Committed to delivering high-quality results and collaborating effectively in dynamic team environments.

## Technical Skills

**Programming Languages :** TypeScript, JavaScript, HTML, CSS

**Frameworks and Libraries :** React.js, Next.js, Node.js, Express.js, Tailwind CSS, Material UI, shadcn/ui,

**Databases :** MySQL, MongoDB

**Familiar Technologies :** Docker, Git, GitHub, GitHub Actions, Figma, Postman, AWS EC2, Vercel, Socket.IO

## Experience

### Software Developer

07/2024 - Present

*Finobase Global Solutions*

*Kochi, Kerala*

Worked with Finobase Global Solutions to design and implement a comprehensive ERP solution for Aeroflight Logistics and Trading Company in Qatar, featuring modules for Accounts, Finance, Sales and Purchase, Warehouse Management, CRM, Inventory Management, Asset Management, and Business Intelligence, enhancing and modernizing operations across various business functions.

- Utilized a tech stack including **JavaScript, React.js, Node.js, MySQL, Material ui and Power BI Report Builder**
- Proposed and implemented **Power BI Report Builder** to create visually appealing reports by aggregating and analyzing data from the database, driving data-driven decision-making.
- Upgraded the tech stack by updating both **React.js** and **Node.js** to the latest **LTS** versions, ensuring enhanced performance, security, and compatibility.
- Designed a dynamic **organization chart** using **React.js** creating an intuitive and visually appealing representation of the company's structure.
- Enhanced application performance by implementing **code-splitting, lazy loading, and memoization techniques**, resulting in faster load times and improved user experience.
- Utilized state management using **Redux** to manage complex application states and improve data flow and scalability.

## Projects

### Vigor - Fitness Application

[Live Link](#) | [GitHub](#) - [Frontend](#) | [Backend](#)

Vigor is a fitness app that helps users plan and track diets and workouts, connect with trainers through chat, audio call, video call and join live training sessions. It offers personalized plans, video playlists, nutrition tracking and progress monitoring, along with premium features and trainer subscriptions.

- Implemented a **Nutrition tracking** system and a comprehensive record-keeping feature for users to monitor their daily workouts, diets and progress over time, aiding in goal-setting and accountability.
- Implemented **Socket.IO** for real-time **Chat** and **Notifications**, fostering an engaging and interactive user experience, while integrating **ZegoCloud** to enable smooth and reliable **Audio/video calls** between users and trainers directly within the platform.
- Incorporated a payment gateway using **Stripe** to facilitate seamless transactions for trainer subscriptions and premium features.
- Utilized the **MVC architecture** to ensure long-term project sustainability through a well-structured and adaptable codebase.
- Implemented **CI/CD pipelines** using **GitHub Actions** and **Docker Hub** for streamlined and efficient deployments of the Vigor fitness application to **AWS EC2** instances.

This responsive furniture E-commerce site lets users browse, wishlist, purchase items and track orders. It features an admin panel for managing products, users and returns, ensuring efficient operations. The platform supports dynamic listings and user authentication for a seamless shopping experience.

- Built a responsive furniture E-commerce website. Users can browse and purchase furniture with ease across devices. It features product wishlisting, order tracking and secure payments via **Razorpay**.
- Implemented a robust backend with **Node.js and MongoDB**. This allows for dynamic product listings, user authentication and efficient data storage and retrieval.
- Developed a comprehensive admin panel using the **MVC architecture**. This empowers administrators to manage stocks, user lists and returns, ensuring efficient store operation.

## Mini Projects

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### SecurePass - Password Generator

[🔗 GitHub](#)

- Developed a secure and user-friendly password generator and manager application using **React.js, Node.js and MongoDB**. This application helps users enhance their password security by allowing the addition of custom alphabets, numbers and special characters.
- Users can **save generated passwords** within the application. Each password can be labeled for easy identification and management.

### Netflix Clone

[🔗 GitHub](#)

- Developed a Netflix-inspired web app using **ReactJS**, leveraging the **TMDB API** for movie/TV show data.
- Implemented **user authentication**, catalog browsing, advanced search, and seamless watch functionality.
- Designed an intuitive UI for smooth navigation, prioritizing user experience and engagement.