

SABARI V R

FULL STACK DEVELOPER

Kochi, Kerala | mailtosabarivr@gmail.com

8606276826 | sabari-vr.github.io/my portfolio

As a skilled MERN Stack Developer with 4 years of experience, I specialize in building robust, scalable web applications using MongoDB, Express.js, React.js, and Node.js. I'm passionate about creating seamless user experiences with efficient, high-performance backends, while staying up to date with the latest technologies and best practices. From developing dynamic, responsive frontends to implementing scalable server-side logic, I bring a full-stack approach to every project, ensuring clean code, optimal performance, and a focus on delivering innovative, real-world solutions.

EXPERIENCE

REACT JS DEVELOPER

Nergy India Pvt Ltd| Kochi, Kerala

09/2023 – PRESENT

- **Developed and maintained scalable React** applications for a product-based company, focusing on performance optimization, efficient state management using Redux and @tanstack/react-query, and delivering seamless user experiences.
- **Created and deployed a custom reusable React component library** as a private NPM package, managed and distributed via Azure Artifacts, streamlining development across multiple projects.
- **Utilized Docker to containerize React applications** for consistent environments across development, staging, and production, enabling smooth CI/CD workflows with Azure DevOps.
- **Mentored and guided junior developers**, overseeing code quality, pull requests, and best practices in React, ensuring a consistent coding standard across the team.
- **Collaborated with cross-functional teams**, integrating React frontends with Node.js backends and third-party APIs, contributing to product enhancements, bug fixes, and feature rollouts.
- **Ensured cross-browser compatibility and implemented responsive design** using CSS3, Flexbox, and media queries, delivering a consistent and optimal user experience across all devices and major web browsers.

FULL STACK DEVELOPER (MERN)

VIPAR | Bengaluru, Karnataka

11/2021 – 08/2023

- **Developed and deployed a full-stack MERN** application on AWS using EC2 for the backend, S3 for static asset hosting, and Nginx for load balancing, integrated with a CI/CD pipeline for seamless deployments.
 - **Implemented robust authentication and authorization** using JWT, and role-based access control (RBAC), ensuring secure API communication and data access across the application.
 - **Optimized database performance in MongoDB** by designing efficient data schemas, utilizing indexing, aggregation pipelines, and replication strategies, reducing query execution time by over 40%.
 - **Built and maintained real-time features** using Web Sockets and Socket.io, enabling live updates and seamless interaction across multiple clients for an enhanced user experience.
 - **Integrated Redis for caching and session management**, significantly improving API response times and reducing database load by optimizing frequently accessed data.
 - **Designed and implemented a CI/CD pipeline** using GitHub Actions, building, and deploying processes for seamless, zero-downtime deployments on AWS EC2.
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FULL STACK DEVELOPER (MERN)

Softzane Solutions Pvt Ltd | Kollam, Kerala

05/2021 – 11/2021

- **Developed end-to-end web applications** using the MERN stack (MongoDB, Express, React, Node.js), creating both RESTful APIs and dynamic, user-friendly frontends.
- **Collaborated with UI/UX teams** to transform wireframes and mockups into responsive, pixel perfect interfaces, ensuring smooth performance and cross-browser functionality.
- **Collaborated with senior developers** to troubleshoot and debug issues across the stack, enhancing my understanding of web development best practices and improving code quality through peer reviews.
- **Integrated third-party APIs** to enhance application functionality, learning to handle API requests, authentication, and data processing to deliver additional features and services to users.

SKILLS

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|----------------|----------------|--------------|------------------|
| • React JS | • HTML | • Node JS | • Docker |
| • Next JS | • CSS | • Express JS | • Kubernetes |
| • JavaScript | • SASS | • MongoDB | • AWS EC2 |
| • TypeScript | • Bootstrap 5 | • PostgreSQL | • AWS S3 |
| • Redux | • MUI | • Redis | • AWS Lambda |
| • React Query | • Tailwind CSS | • REST API | • GitHub Actions |
| • React Native | | • GraphQL | • Jenkins |
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PROJECTS

All demo and source code can be found here :- <https://sabari-vr.github.io/my-portfolio>

MERN ADVANCED ECOMMERCE APP

This **eCommerce application**, built with the **MERN stack** (MongoDB, Express, React, Node.js), incorporates **Redis** for caching, **signed URL uploads** for images, and **Razorpay webhooks** for real-time payment processing. It ensures secure authentication with **JWT tokens** for access and refresh, utilizes **React Query** for efficient API fetching and client-side caching, and manages global state with the **Context API**. Key features include **cart and wishlist management**, **real payments** with order placement and cancellation, **stock locking and reduction**, and a comprehensive **admin panel** for managing products, orders, coupons, and tracking **analytics through graphs**, providing a seamless and robust eCommerce experience..

NEXT JS WHATSAPP CLONE

This is a modern messaging application built with **Next.js 14**, **TypeScript**, and **TailwindCSS**, leveraging **Convex** for serverless functionality and **Clerk** for seamless authentication. The app allows users to create private and group chats, view online/offline statuses, and manage group memberships with admin controls. It supports video calls and the ability to send images and videos within chats. Advanced features include **OpenAI integration** for ChatGPT and DALL-E-3, robust error handling, and global state management using **Zustand**. The application also offers a light/dark mode toggle and is fully deployed, showcasing best practices in modern web development.

EXPENSE TRACKER GQL APP

A **modern application** built with the **MERN stack** and **GRAPHQL**. This app is designed to help users efficiently **manage and track their expenses**, providing an intuitive and responsive user interface for logging, categorizing, and analyzing spending. The backend is powered by **GRAPHQL**, allowing for flexible querying and streamlined communication between the client and server. With this app, users can **add expenses** and gain insights into their spending habits, making **financial management** simpler and more effective.

PERN CHAT APP

This is a **real-time chat application** built using the **PERN stack** (PostgreSQL, Express, React, Node.js) with **Socket.io** for instant messaging. It features **secure user authentication** using **JWT tokens** for access and refresh, ensuring seamless and protected communication. The app provides a **smooth, interactive chat experience** with a focus on **performance and security**.

PERN ADVANCED ECOMMERCE APP

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MERN ADVANCED AUTHENTICATION SYSTEM

A robust MERN application that focuses on advanced user authentication with JWT (JSON Web Tokens). It includes features such as email verification, password reset, and recovery. The frontend leverages React Query for efficient data handling and caching, while the backend is fully documented with Swagger for easy API integration.

EV CHARGING STATION APP

A mobile application built with React Native that allows users to find nearby or specific EV charging stations, add them to their favorites for quick access, and navigate to them using Google Maps. The app also features user authentication powered by Clerk for a secure and personalized experience

EDUCATION

MASTER OF COMPUTER APPLICATIONS (MCA)

Amrita Vishwa Vidyapeetham (AHEAD) – Amrita University

SEPTEMBER 2024

- Capstone Project: EV charging station app (Build on React Native)
- GPA 8.6

BACHELOR OF COMPUTER APPLICATIONS (BCA)

University Institute of Technology – Kerala University

JUNE 2021

- Capstone Project: COVID Management System (Build on MERN)
 - GPA 6.5
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