

MUHAMMED SINAN K V

Full Stack Web Developer

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Professional Summary

MERN Stack Developer with hands-on experience in designing and building full-stack web applications using MongoDB, Express.js, React.js, and Node.js. Proven ability to develop scalable, secure, and user-friendly applications from scratch, covering both front-end and back-end systems. Experienced in building real-time and productivity-focused applications, including an e-commerce platform and secure communication tools. Passionate about writing clean, efficient code and continuously improving through learning modern technologies and best practices. Seeking opportunities to contribute to real-world, impact-driven projects in a growth-oriented team.

Skills

Front-End: HTML, CSS, JavaScript, React.js, Redux.js, Bootstrap

Back-End: Node.js, Express.js, [Socket.io](#), REST APIs, JWT Authentication

Database: MongoDB

Programming: JavaScript, TypeScript, Python

Tools & Technologies: Git&GitHub, Crypto Web API

Frameworks: Custom Node.js Framework

Education

Biology Science Plus Two GHSS Kavanur, Malappuram (2023-2025)

I started studying Web Development in 2023 using self-research

Projects

SecuroTalk

A privacy-focused, end-to-end encrypted real-time messaging web application built with the MERN stack, Socket.io, and the Web Crypto API. Supports secure text messaging, voice notes, and image transfer using hybrid encryption, with real-time delivery, double-tick receipts, and presence indicators (online status, last seen, typing, recording).

Includes a custom audio player for voice notes and image thumbnail previews with one-click full-resolution download. Features Google authentication via Firebase, single-device-per-account security, remote message deletion, and real-time push notifications using FCM and Service Workers. The app is installable as a Progressive Web App (PWA).

For maximum privacy, messages are never stored on the server; encrypted conversation data is securely stored client-side using IndexedDB.

Live App: <https://chat-app-4z3x.onrender.com>

Payment Service – Wallet App

A demo digital wallet web application built to practice and demonstrate secure payment gateway integration for real-world e-commerce use cases. The project is designed as a learning-focused model for developers exploring digital payments, covering complete end-to-end transaction workflows in modern web applications. No real monetary transactions are processed, ensuring a safe environment for testing, experimentation, and validation of payment logic and security practices. The application is fully deployed and available for live demonstration, along with public API documentation for developer reference.

Live App: <https://trustail-wallet.onrender.com/>

Documentation: <https://trustail-wallet.onrender.com/lib-docs-node>

BlogSphere – AI-Powered Blog Writing & Publishing Platform

A full-stack MERN web application developed for creating, editing, and publishing blogs and articles with a modern, user-friendly workflow. The platform features a dual writing system that allows users to write content manually or generate AI-powered drafts based on given topics, enhancing productivity and creativity. It includes secure user authentication, complete blog management, and a structured publishing workflow to deliver personalized user experiences. The application is fully deployed with a responsive UI/UX design and real-time content preview for seamless writing and publishing.

Live App: <https://blogsphere-032t.onrender.com>

Activities & Honors

I actively explore new technologies, build custom frameworks and UI components using my own methods, and have a strong interest in CSS styling and visual design.

Languages

English, Malayalam (Native)