

MOHAMMED NIHAL K

MERN Stack Developer

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Professional Summary

Full-Stack MERN Developer with comprehensive experience in designing, building, and deploying scalable web applications. Proficient in RESTful APIs, real-time communication, and cloud architectures. Delivered production-grade solutions including e-commerce systems, real-time collaboration platforms, and role-based dashboards. Skilled in AWS, WebRTC, Socket.IO, Docker, and modern DevOps workflows.

Technical Skills

Languages: JavaScript (ES6+), TypeScript, SQL, NoSQL

Frontend: React.js, Next.js, Redux, HTML5, CSS3, Tailwind CSS, Bootstrap, EJS

Backend: Node.js, Express.js, REST APIs, MVC Architecture, Layered Architecture, OAuth

Databases: MongoDB, PostgreSQL, Redis, Firebase

Integrations: Razorpay, Stripe, Cloudinary, Nodemailer, Multer, Socket.IO, WebRTC

Deployment: AWS EC2, NGINX, Vercel, Microsoft Azure VM

Tools & Platforms: Git, Docker, GitHub Actions, Postman, Figma, Fabric.js, Monaco Editor, Tiptap Editor

Additional Skills: Data Structures and Algorithms, System Design

Projects

TACTICS — E-Commerce Platform

Live | GitHub

Full-featured e-commerce platform with secure authentication, product catalog, shopping cart, and order processing. Built with Node.js, Express, MongoDB, and EJS using MVC architecture.

- Developed JWT-based authentication system with role-based access control for users and administrators
- Implemented complete checkout workflow with payment gateway integration and order management
- Deployed on AWS EC2 with NGINX reverse proxy achieving optimized server performance

Chattify — Real-Time Chat Application

GitHub

Real-time messaging application with Socket.IO, user presence detection, and media sharing. Built with MERN stack, TailwindCSS, and Zustand state management.

- Implemented Socket.IO for real-time messaging with user presence detection and typing indicators
- Designed responsive UI with React, TailwindCSS, and DaisyUI for seamless user experience
- Integrated Cloudinary for media uploads and built RESTful APIs for user and message management

Mini Projects

UserManagement — MERN User & Admin System

GitHub

Role-based user management system with admin dashboard, CRUD operations, and profile management. Features Redux state management and JWT authentication.

- Built admin dashboard with real-time search and complete user CRUD operations
- Implemented JWT authentication with Redux for centralized state management and Cloudinary for image uploads

Education

Full-Stack Development Certificate

2024 – Present

Brocamp, Calicut

Completed 10+ months intensive training in MERN stack, AWS cloud services, and system design with mentorship from senior developers with 5+ years of industry experience.

Bachelor of Business Administration (BBA)

2021 – 2024

MES Kalladi College

Studied business tools including Tally, MS Office Suite (Word, Excel, PowerPoint).