Siyad Muhsin K

MERN Stack Developer

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SUMMARY

A results-driven Software Engineer with hands-on expertise across diverse tech stacks, driven by curiosity and a strong problem-solving mindset. Specialized in building robust, secure, and scalable systems using the MERN stack, with a solid focus on backend development and reliable software architecture. Passionate about distributed systems, I design and implement high-performance platforms that seamlessly scale and handle complex workflows. I thrive in challenging environments where innovation, scalability, and precision engineering drive success.

SKILLS

Programming Languages:	JavaScript, TypeScript, SQL, Java, C
Frameworks & Libraries:	Node.js, Express.js, React, Next.js, EJS, Redux, Context API, Tailwind CSS, Bootstrap, Shadcn
Databases & Cloud:	MongoDB, PostgreSQL, Redis, Firebase, AWS (EKS, EC2, ECR, S3, CloudWatch)
Architecture & Design:	Repository Architecture, MVC Architecture, Schema Design, SOLID Principles, Object-Oriented Programming (OOP)
Development Tools:	Git, GitHub, Docker, CI/CD, Nginx, Postman, Thunder Client, Mongoose, Visual Studio Code, Figma
APIs & Networking:	REST APIs, Socket.IO, WebRTC, PeerJS, Razorpay, Stripe, Networking Concepts
Core Expertise:	Data Structures & Algorithms, Debugging, UI Designing, API Development, Cloud Infrastructure

PROJECTS

- **SERVICEHUB** — ONLINE SERVICE BOOKING PLATFORM (2025) 🔗 LIVE LINK — ⓖ GITHUB

  *Built a platform connecting users with skilled experts for home and professional services, featuring role-based access control, subscription model, and real-time communication. Ensured scalability and maintainability using **Repository Architecture**, **Inversify**, and **SOLID principles**.*

  – Implemented role-based access for users, experts, and admins with JWT and Google Auth.
  – Enabled user-to-expert transitions with certificate submission and admin verification.
  – Integrated subscription-based revenue model for experts using **Stripe**.
  – Developed real-time chat with **Socket.IO** for seamless communication.
  – Added location-based expert matching using **OpenCage Geocoding API**.

  Technologies used: Node.js, Express.js, React, MongoDB, HTML, CSS, Bootstrap, JavaScript, Socket.IO, Stripe, JWT, Google Auth, Inversify, OpenCage Geocoding API

- **FRUITABLES** — E-COMMERCE FOR FRUITS & VEGETABLES (2024) 🔗 LIVE LINK — ⓖ GITHUB

  *Developed an e-commerce platform for online sale of fresh fruits and vegetables, enabling customers to shop digitally and admins to manage sales with reports and returns. Built using **MVC Architecture** for maintainability.*

  – Built online ordering with product browsing, cart, wishlist, and order tracking.
  – Integrated secure payments via **Razorpay** and Cash on Delivery.
  – Designed admin panel for managing products, orders, and sales reporting.
  – Implemented authentication with sessions, **bcrypt** password hashing, and Google OAuth.
  – Supported image uploads via **Multer** and **Cloudinary**.

  Technologies used: Node.js, Express.js, MongoDB, EJS, Bootstrap, JavaScript, Razorpay, Multer, bcrypt, Sessions, Axios, Cloudinary, NGINX, Google OAuth, Passport.js

MINI PROJECTS

User Management System   ⓖ GitHub

Developed a system for efficient administration of user accounts, enabling admins to block or unblock users for secure access control. Added user features for profile image uploads and implemented secure authentication for verification and

access management.

Technologies Used: React.js, JavaScript (TSX), Node.js, Express.js

URL Shortener (MERN Stack)   GitHub

Built a full-stack URL shortening application with user authentication. Users can register, log in, and manage their own shortened URLs. Implemented secure JWT-based authentication, and deployed the backend using Docker on AWS EC2 with NGINX reverse proxy for production hosting.

Technologies Used: React.js, JavaScript (TSX), Node.js, Express.js, JWT, Docker, AWS EC2, NGINX

Blog Management Platform   GitHub

Developed a secure and efficient blog management system with user authentication and authorization using JWT. The platform allows users to create, read, update, and delete blog posts with image uploads. Enforced data integrity, validations, and structured error handling for reliability.

Technologies Used: Node.js (TypeScript), React (TSX), Express.js, MongoDB, JWT, Multer, Cloudinary

EDUCATION

Brotype, Kozhikode   2024 – Present | Certificate

Currently enrolled in an intensive training program focused on MongoDB, Express.js, React, and Node.js, with hands-on projects in full-stack web development, microservices, and deployment using Docker and AWS.

Govt ITI Areacode, Malappuram   Diploma in Lift and Escalator Mechanic   2020 – 2022

Completed a diploma program specializing in installation, maintenance, and troubleshooting of lifts and escalators. Developed hands-on expertise in mechanical systems, electrical wiring, and safety protocols.

Professional Experience: Worked as a Lift Technician Trainer at **Johnson Pvt. Ltd., Ernakulam** (2022 – 2023), where I trained new recruits on installation, servicing, and safety compliance of lift systems.