

# Muhammed Swalih MC

Full Stack Developer

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## SUMMARY

Full Stack Developer with hands-on experience building and deploying real-world web applications, including CRM systems, real-time platforms, and e-commerce solutions. Strong in Node.js and React with practical experience in authentication, payment integration, and scalable backend development.

## TECHNICAL SKILLS

<b>Languages</b>	TypeScript, JavaScript (ES6+), HTML5, CSS3
<b>Frontend</b>	React.js, Redux, Next.js, Tailwind CSS
<b>Backend</b>	Node.js, Express.js, Nest.js
<b>Databases</b>	MongoDB, PostgreSQL, Redis
<b>APIs &amp; Architecture</b>	REST APIs, MVC, Repository Pattern
<b>Authentication</b>	JWT, Google OAuth, OTP Authentication
<b>Real-time</b>	WebRTC, Socket.IO
<b>Payments</b>	Razorpay, PayPal
<b>Cloud</b>	AWS, Vercel, Render
<b>Tools</b>	Git, Postman, Cloudinary
<b>Core CS</b>	Data Structures & Algorithms (DSA)

## EXPERIENCE

### Full Stack Developer (Freelance)

Jan 2024 – Present

*International Client (Dubai)*

- Delivered 3 production-ready applications, including CRM and business systems used for daily operations.
- Designed and developed a flat management system with role-based access and structured workflows.
- Integrated WhatsApp-based communication features to improve customer engagement and lead handling.
- Managed end-to-end development lifecycle including requirement analysis, development, deployment, and maintenance.

## PROJECTS

### Flame Zero – Surplus Food Redistribution Platform

[GitHub](#)

*React.js, Node.js, Express.js, MongoDB, Redis, Socket.IO, PayPal*

- Developed a full-stack platform enabling real-time listing and distribution of surplus food.
- Implemented secure authentication using JWT, Google OAuth, and OTP with Redis-based session handling.
- Designed role-based access for admins, vendors, and users to manage listings and orders.
- Integrated PayPal for real-time payment processing and order workflows.
- Built real-time updates using Socket.IO for availability and order tracking.

### Aranoz – Full-Stack E-commerce Platform

[GitHub](#)

*Node.js, Express.js, MongoDB, EJS, Razorpay, Google OAuth*

- Built a full-stack e-commerce platform with product, cart, and order management.
- Implemented authentication and role-based access control for users and admins.
- Integrated Razorpay payment gateway for secure transactions.
- Developed admin dashboard for managing inventory, users, and orders.
- Optimized backend performance using pagination and efficient queries.

### Group Video & Audio Chat App

[Live](#)

*React, Node.js, WebRTC, Socket.IO*

- Built a peer-to-peer real-time communication platform using WebRTC.
- Implemented signaling and session management using Socket.IO.
- Deployed a stable application supporting real-time video/audio interaction.

### Flat Management System (Custom CRM)

*Node.js, Express.js, MongoDB, EJS*

- Developed a custom management system to handle tenant records, payments, and operational workflows for a single-client use case.
- Designed and implemented structured workflows to streamline day-to-day administrative tasks and data management.

- Automated manual tracking processes, reducing repetitive work and improving overall efficiency.

### **Ecoblend Business Website**

Live

*Next.js, Tailwind CSS*

- Developed a business website to improve online presence and customer reach.
- Integrated WhatsApp communication for direct customer interaction.

### **EduLift Institute Website**

Live

*React.js, Tailwind CSS*

- Built an education platform connecting students with instructors.
- Implemented inquiry system to streamline communication.

## **EDUCATION**

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### **MERN Stack Development Program**

2024 – 2025

Prototype, Calicut

### **Bachelor of Arts in Sociology**

2020 – 2023

University of Calicut