

MOHAMED AFLAH K

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SUMMARY

Full Stack Developer with 1+ year of professional experience building scalable web applications using the MERN stack. Proven expertise in microservices architecture, RESTful API development, real-time communication systems and cloud deployment on AWS and Azure. Skilled in TypeScript, React, Node.js, Docker and Kubernetes. Experienced in delivering production-grade software in fast-paced startup and enterprise environments.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Java, C, HTML, CSS

Frontend: React.js, Next.js, Redux, Tailwind CSS, DaisyUI, WebRTC, WebSocket, Bootstrap

Backend: Node.js, Express.js, Nest.js, GraphQL, REST API, Microservices, MVC, Clean Architecture, RabbitMQ, Apache Kafka, Socket.IO, Axios

Databases: MongoDB, PostgreSQL, Redis, AWS S3, Cloudinary

DevOps & Cloud: Docker, Kubernetes, Nginx, AWS EC2, Azure AKS, CI/CD, Git, GitHub

Tools: Postman, Figma, Expo, React Native

WORK EXPERIENCE

Full Stack Engineer

SetuAI

March 2025 – Present

Bengaluru, Karnataka

- Developing full stack modules for an AI-powered doctor assistant platform, improving clinical workflow efficiency by automating patient interaction and medical data processing pipelines.
- Engineered secure REST APIs and modular backend services using Node.js and Nest.js, enabling seamless integration across 3+ independent microservices.
- Implemented real-time voice-enabled communication workflows and structured data processing features using WebSocket and third-party AI integrations.

Software Developer

Nasscript Software Innovations PVT LTD

September 2024 – January 2025

Doha, Qatar

- Built and maintained 5+ web application modules using React.js and Node.js for enterprise client solutions, reducing manual processing time significantly.
- Developed and optimized RESTful backend APIs with MongoDB and PostgreSQL, improving query performance for production data operations.
- Collaborated with cross-functional teams to deliver features on schedule, supporting full deployment lifecycle on AWS EC2.

MERN Stack Developer (Freelance)

Disby Digital

June 2024 – August 2024

Chennai, Tamil Nadu

- Delivered a full-featured court booking web application for a sports academy client, enabling online reservations and reducing booking processing time.
- Implemented JWT-based authentication, Firebase phone OTP login and Razorpay payment gateway integration for secure transactions.
- Architected the application using MVC pattern with React.js, Node.js, Express.js and MongoDB, following clean code practices.
- Technologies:** React.js, Node.js, Express.js, MongoDB, TypeScript, Redux, Firebase, Razorpay, Cloudinary, JWT

PROJECTS

ASCENT | Job Portal Platform

Live Link | GitHub (Frontend) | GitHub (Backend)

- Built a full-featured job portal enabling candidates to apply for jobs and recruiters to post listings and conduct live video interviews using WebRTC.
- Designed a microservices architecture with Apache Kafka for real-time event streaming across 4+ independent services deployed on Azure AKS with Kubernetes.

- Implemented Clean Architecture principles, CI/CD pipelines and Docker containerization for scalable and maintainable deployment.
- **Technologies:** React.js, TypeScript, Redux, Node.js, Kafka, Docker, Kubernetes, Azure AKS, Nginx, WebRTC, Socket.IO, CI/CD

MegaMart | *E-Commerce Web Application*

[Live Link](#) | [GitHub](#)

- Developed a full-featured e-commerce platform supporting cart management, order tracking, digital wallet, coupon codes, referral system and admin dashboard.
- Integrated multiple payment options including Razorpay online payment, cash on delivery and wallet, increasing checkout flexibility for users.
- Deployed on AWS EC2 behind Nginx reverse proxy with OAuth 2.0 authentication and Nodemailer for transactional emails.
- **Technologies:** Node.js, Express.js, MongoDB, EJS, AWS EC2, Nginx, OAuth 2.0, Multer, Chart.js, Bootstrap, SCSS

ADDITIONAL PROJECTS

Real-Time Chat Application

[Live Link](#) | [GitHub \(Frontend\)](#) | [GitHub \(Backend\)](#)

- Built a MERN stack real-time chat platform using Socket.IO for bidirectional communication, featuring instant messaging and responsive UI with Tailwind CSS.

Netflix Clone

[GitHub](#)

- Developed a movie streaming UI consuming the TMDB API via Axios, using React custom hooks and useReducer for efficient state management.

Microservice E-Commerce with Kafka

[GitHub](#)

- Built a mini e-commerce platform using microservices architecture, Clean Architecture principles and Apache Kafka for inter-service messaging.

EDUCATION

IGNOU – Indira Gandhi National Open University

New Delhi, India

Bachelor of Computer Applications (BCA)

2025 – Present

Brototype

Calicut, Kerala

Full Stack Web Development – MERN Stack

2023 – 2024

OHSS, Tirurangadi

Malappuram, Kerala

Higher Secondary – Commerce with Computer Application

2021 – 2023