

# MOHAMMED FAWAZ

## Full Stack Developer

+91 9562358737 | [fawazv.business@gmail.com](mailto:fawazv.business@gmail.com) | [LinkedIn](#) | [GitHub](#) [Portfolio Website](#)

### PERSONAL SUMMARY

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Enthusiastic and committed self-taught Full Stack Developer with expertise in **TypeScript**, **React.js**, **Next.js**, **Node.js**, **Express.js**, and **MongoDB**. Experienced in building scalable web applications and **microservices** with a focus on clean code, performance, and maintainability. Strong problem-solving skills with a commitment to continuous learning and delivering high-quality solutions in fast-paced environments.

### TECHNICAL SKILLS

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<b>Programming Languages</b>	: JavaScript (ES6+), TypeScript
<b>Frontend Technologies</b>	: React.js, Next.js, HTML5, CSS3, Tailwind CSS, Vite, Material UI, Shadcn UI, Bootstrap, Framer Motion, Redux Toolkit, Context API
<b>Backend Technologies</b>	: Node.js, Express.js, Nginx, RESTful APIs
<b>Database Management</b>	: MongoDB, NoSQL, PostgreSQL, Mongoose
<b>Architecture</b>	: Controller-Service-Repository, Microservice, MVC architecture
<b>DevOps / Cloud</b>	: CI/CD, Docker, RabbitMQ, AWS EC2, AWS S3, Google Cloud, Firebase
<b>Tools</b>	: Postman, Figma, REST API, Git, VS Code, Android Studio, Xcode
<b>Integrations</b>	: Razorpay, Stripe, Nodemailer, Socket.io, WebRTC, S3, JWT

### PROJECTS

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#### Elite Hotel - Hotel Management System

[GitHub](#)

Microservices-based Hotel Management System to streamline reservations, billing, housekeeping, user management and guest management with secure authentication and integrated payments.

- Built and deployed 5+ microservices using Node.js, Express, and MongoDB.
- Implemented secure JWT authentication and role-based authorization.
- Integrated Stripe and Razorpay for online payments and invoicing.
- Designed modular APIs with Controller-Service-Repository pattern.
- Containerized services with Docker and deployed on Kubernetes.
- Automated CI/CD pipelines with GitHub Actions.
- Built the complete responsive React.js frontend for hotel operations.

**Technologies Used:** Node.js, Express.js, TypeScript, MongoDB, React.js, Redux, Stripe, Razorpay, Docker, Kubernetes, GitHub Actions, JWT, REST APIs.

#### Nxtcart - Online Shopping App

[Live](#) [GitHub](#)

Full-stack e-commerce application delivering a scalable shopping platform with customer features, authentication, payments, and an admin dashboard.

- Built responsive UI with Next.js, React, Tailwind CSS, and Shadcn UI.
- Implemented authentication using Auth.js (Google OAuth, Magic Link).
- Integrated PayPal and Stripe for checkout, invoicing, and payments.
- Designed scalable MongoDB data models and admin dashboard for product, user, and order management.

**Technologies Used:** Next.js, React, MongoDB, Tailwind CSS, Shadcn UI, Zustand, React Hook Form, Zod, NextAuth (Auth.js), Google OAuth, Magic Link, Stripe, PayPal, Vercel, GitHub, Resend, Uploadthing, Recharts.

## Dropbox Clone – File Storage Application

[Live](#) [GitHub](#)

Dropbox-inspired file storage app built with Next.js, TypeScript, and Firebase, featuring authentication, file operations, and responsive dark/light UI.

- Developed with Next.js, TypeScript, Tailwind, and shadcn/ui.
- Integrated Firebase Storage + Firestore for file uploads and metadata.
- Added drag-and-drop uploads, sorting, renaming, and deletion features.
- Enhanced UX with loaders, toast notifications, theme toggle, and Vercel deployment.

**Technologies:** Next.js, TypeScript, Tailwind CSS, shadcn/ui, Clerk, Firebase, Firestore, Zustand, React Dropzone, TanStack Table, Vercel.

## MINI PROJECT

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### Blog Microservices Platform

[GitHub](#)

Blog platform with Node.js, Express, MongoDB, RabbitMQ, and Docker, featuring microservices, JWT authentication, and CI/CD.

- Built User, Post, and Comment services with API Gateway and RabbitMQ communication.
- Containerized with Docker Compose and automated pipeline via GitHub Actions.

**Technologies:** Node.js, Express, TypeScript, MongoDB, RabbitMQ, JWT, Docker, GitHub Actions.

### Bookstore App

[GitHub](#)

Full-stack web application built with the MERN stack, enabling users to manage a collection of books with CRUD functionality and responsive UI.

- Built RESTful APIs with Express.js and MongoDB for complete book management (CRUD).
- Developed a responsive React frontend integrated with Axios for seamless API communication.

**Technologies Used:** MongoDB, Express.js, React.js, Node.js, Axios, Tailwind CSS, Bootstrap, Vite, Mongoose.

### Premium Cinematic Portfolio

[GitHub](#)

Cinematic developer portfolio built with Next.js 16 and Tailwind CSS 4, featuring immersive animations and smooth scrolling effects.

- Engineered immersive animations and responsive layouts using GSAP, Framer Motion, and Lenis Scroll.
- Integrated Nodemailer for secure contact functionality with environment-based configuration handling.

**Technologies Used:** Next.js, React, TypeScript, Tailwind CSS, GSAP, Framer Motion, Lenis, Nodemailer, ESLint.

### Next-Gen AI and 3D Portfolio

[GitHub](#)

Futuristic interactive portfolio built with Next.js 16, featuring immersive 3D particle simulations and AI-powered hand gesture controls for a touch-free user experience.

- Engineered interactive 3D particle systems and custom GLSL shaders using React Three Fiber.
- Implemented real-time AI gesture controls and touch-free scrolling via MediaPipe integration

**Technologies Used:** Next.js 16, TypeScript, Tailwind CSS v4, React Three Fiber, GLSL, MediaPipe, Framer Motion.

## ACHIEVEMENTS

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- Successfully built Vision and eCommerce as scalable full-stack applications.
- Self-taught modern web technologies, including TypeScript, backend optimization, and full-stack development.

## EDUCATION

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**Bachelor of Commerce(co-operation)**, Calicut University

July 2020- March 2023

**Higher Secondary (Commerce with Computer Application)**, GHSS Tirurangadi

July 2018- April 2020