

Muhammed Ismail KT

Full Stack Developer

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Professional Summary

Full Stack Developer focused on building end-to-end web applications with React, Next.js, TypeScript, Node.js, and NestJS. Experienced in developing multi-role applications, REST APIs, authentication and RBAC, payment workflows, and real-time features with Socket.IO. Worked with MongoDB and PostgreSQL and deployed applications using AWS EC2, Nginx, PM2, and GitHub Actions. Focused on practical product workflows, maintainable backend structure, and building applications from development through deployment.

Technical Skills

Frontend: JavaScript (ES6+), TypeScript, React.js, Next.js, Redux Toolkit, Context API, Tailwind CSS, Responsive Design

Backend: Node.js, Express.js, NestJS, REST APIs, JWT, RBAC, Socket.IO, Multer, Cloudinary, Razorpay

Database: MongoDB, Mongoose, PostgreSQL, SQL

Architecture: Clean Architecture, SOLID Principles, Repository Pattern, Modular Monolith, Dependency Injection, Layered Architecture, MVC, DTO Pattern

DevOps: AWS EC2, Nginx, PM2, GitHub Actions, CI/CD, Vercel, Render

Tools: Git, GitHub, Postman, Figma, Eraser.io

Projects

QuickWork – Local Service Marketplace *React, TypeScript, Node.js, Express.js, MongoDB, Socket.IO*
quickwork.site

- Built a multi-role local service marketplace supporting Client, Provider, and Admin workflows across job discovery, applications, assignments, and work-status tracking.
- Implemented JWT authentication and RBAC, real-time communication with Socket.IO, and Razorpay payment workflows with server-side HMAC signature verification.
- Designed platform fee, provider earnings, and transaction workflows and deployed the application on AWS EC2 using Nginx, PM2, and GitHub Actions CI/CD.

AdmissionFlow – School Admission Workflow System *Next.js, NestJS, TypeScript, MongoDB, JWT*

- Built a role-based school admission workflow for Parent and Admission Team users using Next.js and NestJS.
- Implemented student applications, registration fee state, post-payment information locking, and entrance exam slot booking workflows.
- Developed admission-team workflows for exam score updates, course assignment, and completed admission tracking using DTO-based request handling and NestJS dependency injection.

ErrorLens – AI-Assisted Debugging Tool *React, TypeScript, Node.js, Express.js, AI APIs*

- Built a developer tool that processes error input and code context to generate structured debugging suggestions using AI APIs.
- Designed stack-trace processing and structured request payloads to provide relevant technical context to the AI integration.
- Standardized AI responses into developer-focused explanations and suggested fixes for clearer debugging workflows.

DevShowroom – Developer Portfolio Platform *React, TypeScript, Node.js, Express.js, MongoDB*

- Built a developer portfolio platform with public profiles, project showcases, and a responsive user interface.
- Developed REST APIs for profile and project management with Cloudinary-based image uploads.
- Implemented a content-management dashboard separated from the public-facing portfolio experience.

Bootcamp

Brototype – Full Stack Development Program

- Completed intensive hands-on training in JavaScript, TypeScript, React, Next.js, Node.js, Express.js, MongoDB, and PostgreSQL.
- Built end-to-end applications while gaining practical experience with REST APIs, authentication, Git workflows, deployment, and application architecture.

Education

Higher Secondary Education – Kerala, India