Mohamed Muaath Rifath L M

Full-Stack Developer

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Summary

Full-Stack Developer specializing in the Next.js ecosystem. Proficient in building responsive, scalable web applications using TypeScript, Next.js/React, and Tailwind CSS. Experienced in developing robust backends with Next.js/Node.js, Prisma, and PostgreSQL.

Projects

Portfolio
- **Tech Stack:** Next.js, Three.js, React Three Fiber, Framer Motion, Firestore, Tailwind CSS.
- **3D Experience:** Interactive 3D models using Three.js/React Three Fiber.
- **Animations:** Fluid page transitions with Framer Motion for enhanced UX.
- **CMS:** Firestore integration for contact submissions with dashboard.

Sol - Smart Home Assistant
- **Tech Stack:** Next.js, NextAuth, Prisma, PostgreSQL, Gemini 2.0 Flash, MQTT, MCP.
- **AI Control:** Natural language commands using Google's Gemini 2.0 Flash model.
- **Backend:** Secure authentication with NextAuth and device management with Prisma.
- **Real-Time:** MQTT and WebSockets for low-latency IoT device communication.
- **AI Integration:** Model Context Protocol (MCP) for system-level AI connections.

Threble - Social Media Platform
- **Tech Stack:** Next.js, TypeScript, NextAuth, Prisma, PostgreSQL, Azure Blob Storage.
- **Backend:** Robust architecture for user data, posts, and social graphs.
- **Authentication:** Secure credential-based user management with NextAuth.
- **Storage:** Azure Blob Storage for scalable media handling.
- **UI/UX:** Responsive interface with Tailwind CSS across all devices.

HR Dashboard - Employee Management System
- **Tech Stack:** Next.js 15, TypeScript, Zustand, Chart.js, Tailwind CSS, Radix UI.
- **Frontend Architecture:** Custom hooks pattern for reusable logic, modular component structure with TypeScript integration.
- **Data Visualization:** Interactive charts and analytics displaying department distribution, performance ratings, and HR metrics.
- **UI/UX:** Responsive design with dark/light theme support, advanced search/filtering, and bookmark functionality.
- **State Management:** Zustand for global state with local storage persistence and optimized re-rendering.

Certifications

- Career Essentials in GitHub Professional Certificate – *GitHub & LinkedIn*
- Career Essentials in Software Development – *Microsoft & LinkedIn*
- MCP: Build Rich-Context AI Apps – *DeepLearning.AI*

Skills

Programming Languages: JavaScript/TypeScript, HTML/CSS, C/C++, Arduino, SQL, Python, MicroPython

Frontend: Next.js/React.js, Three.js/React Three Fiber, Tailwind CSS, Redux, Zustand

Backend: Next.js, Node.js, Prisma, PostgreSQL, NextAuth

Tools & Platforms: Git, GitHub, VSCode, Linux, Vercel, Azure, Firebase, Firestore

Education

Aalim Muhammed Salegh College of Engineering   *2022 – 2026*
Chennai, India
B.E. in Electronics & Communication.

Achievements

- **1st Prize** - Project Expo at T.J.S. Engineering College for Smart Home Assistant.
- **1st Prize** - Project Expo at GRT Institute for DTMF-controlled RoboCar.