

Afthar N N

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Professional Summary

Full Stack Developer with 1.5+ years building and shipping production web applications using React, Next.js, TypeScript, Node.js, Express, and MongoDB/PostgreSQL. Electronics engineering background applied to systems work spanning REST API design, authentication and role-based access control, payment integrations, deployments, and AI-powered automation. Delivered client-facing projects independently from requirements through production release.

Skills

Frontend: React.js, Next.js, TypeScript, JavaScript (ES6+), Tailwind CSS, Material UI, Redux, Zustand, TanStack Query (React Query), Framer Motion

Backend: Node.js, Express.js, REST APIs, Webhooks, JWT Authentication, OAuth 2.0, NextAuth, RBAC, Socket.IO, Stripe, Razorpay

Databases & Caching: MongoDB, PostgreSQL, MySQL, Redis, Prisma ORM, Mongoose ODM

DevOps & Deployment: Docker, Git, GitHub, Vercel, Render, Cloudinary, Supabase

Automation & AI: n8n, Make (Integromat), OpenRouter, LLM APIs, Gemini API

IoT & Hardware: MQTT, STM32, ESP8266, ESP32, HiveMQ, Altium Designer

Tools: Postman, VS Code, Claude Code, OpenAI Codex

Experience

Full Stack Developer

Jun 2026 – Present

8 Chili | Bangalore, India | Onsite

- Developing an internal project management and HRMS platform to streamline project tracking, employee management, task allocation, attendance monitoring, and operational workflows.
- Building responsive user interfaces using React, Next.js, TypeScript, Tailwind CSS, and Zustand with a focus on usability, maintainability, and consistent user experience.
- Designing and implementing REST APIs, authentication flows, role-based access control, and business logic using Node.js and Express.js.
- Working with MySQL for database design, schema management, and application data handling.
- Collaborating closely with colleagues to gather requirements, refine workflows, and deliver features from planning through deployment.

Full Stack Developer (Freelance)

Nov 2025 – May 2026

MAS Design and Code | Remote

- Developed a role-based HRMS application to manage recruitment workflows, candidate tracking, and hiring activity.
- Contributed to developing and maintaining the company website across frontend and backend.
- Built form automations using n8n and Make to handle lead capture, data routing, and automated email notifications.
- Deployed applications to production via Vercel and Render, managing environment configuration and release workflows.

Frontend Developer Intern

Feb 2025 – Aug 2025

Talks & Talks | Remote

- Built and maintained React.js interfaces using Tailwind CSS and Framer Motion.
- Reduced initial page load time by approximately 30% through code splitting and lazy loading.
- Collaborated with backend developers and designers in sprint-based agile workflows.

Freelance Projects

HRMS Application

Client: MAS Design and Code *Stack:* React.js, Node.js, Express.js, MongoDB, Cloudinary

- Built a role-based HRMS with tiered access control for Super Admin, Admin, and Recruiters.
- Developed candidate management, job posting, and application workflows with shortlisting logic and funnel dashboards.
- Designed and built REST APIs with Node.js and Express.js; integrated Cloudinary for secure document and resume management.

Minnies Tours and Travels – Full Stack Website

minniestoursandtravels.com *Stack:* Next.js, NextAuth, PostgreSQL, Prisma ORM

- Built a production travel booking website using Next.js with server-side rendering and on-page SEO implementation.

- Developed a custom admin CMS for managing tour packages, destinations, and cab listings with protected routes.
- Implemented authentication using NextAuth with Google OAuth; deployed and maintained on Vercel.

Projects

AI Voice Agent

Python, LLM APIs, Real-time STT/TTS, WebSockets

- Built a real-time conversational voice agent handling end-to-end spoken interactions through a streaming speech-to-text, LLM reasoning, and text-to-speech pipeline.
- Implemented low-latency audio streaming with interruption handling and persistent conversation state across turns.

AI WhatsApp Booking Automation

n8n, OpenRouter, Google Sheets, Webhooks

- Built an AI-powered WhatsApp automation system to handle appointment booking, rescheduling, cancellation, and status queries end-to-end without human intervention.
- Designed a multi-step conversational engine with intent-based routing and strict state management for reliable user flows.
- Integrated LLM via OpenRouter to parse unstructured user messages into structured booking data and drive decision logic.
- Implemented real-time slot availability checks against Google Sheets with persistent session management and conflict handling.

Real-Time Chat Application

React.js, Node.js, MongoDB, Socket.IO, Gemini API

chat-app-uz18.onrender.com

- Built a full-stack real-time chat application with WebSocket-based messaging via Socket.IO and JWT authentication.
- Integrated Gemini API for AI-assisted reply suggestions; managed client state with Zustand.

E-commerce Web Application

React.js, Node.js, MongoDB, Stripe

ecommerce-store-pnkp.onrender.com

- Developed a full e-commerce platform with Stripe payment integration, JWT authentication, and admin-only product and order management.

Travel Buddy – Travel Planning App

Next.js, PostgreSQL, Prisma ORM, Google Maps API

travel-buddy-iota-seven.vercel.app

- Built a travel planning app with server-side rendering, Google Maps routing, and PostgreSQL data management via Prisma.

Smart Sanitary Napkin Dispenser

STM32, Node.js, MQTT, Razorpay, Webhooks

- Designed a custom PCB with STM32F103C8T6, RFID reader, and TFT touchscreen interface using Altium Designer.
- Implemented MQTT-based device-to-backend communication and Razorpay UPI payment integration with webhook-based transaction handling.

Education

BTech in Electronics & Communication Engineering

2022 – 2025

Mar Athanasius College of Engineering, Kothamangalam

Diploma in Electronics & Communication Engineering

2019 – 2022

GPTC Perumbavoor

Certifications

- Frontend Developer Internship Certificate – Talks & Talks View Certificate

Achievements

- Presented Smart Sanitary Napkin Dispenser as final-year project at Mar Athanasius College of Engineering.
- Presented Tri-color LED Traffic System at GPTC Perumbavoor.
- Delivered technical seminars on Wireless Charging and Smart Unstaffed Retail (IoT and AI).

Languages

Malayalam (Native) English (Professional) Hindi (Conversational)