

Mohammed Ameen VV

Full Stack Engineer

☎ +91 8157052217 ✉ mohammedameenvv@gmail.com 🔗 LinkedIn 🌐 GitHub 📍 Chennai, India

SUMMARY

Full Stack Engineer with **3+ years of experience** building production-grade web applications and AI-powered products across e-commerce and fintech. Specialized in **React, Next.js, NestJS, and PostgreSQL**, with hands-on experience designing **RAG pipelines**, integrating **LLM APIs** (GPT-4o, Claude, Groq), and building **MCP server integrations** for agentic workflows. Comfortable owning features end-to-end in fast-moving Agile teams.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, HTML/CSS

Frontend: React.js, Next.js, Angular, React Native, Tailwind CSS

Backend: Node.js, NestJS, Express.js, REST APIs, GraphQL, Serverless, System Design

Databases: PostgreSQL, MySQL, MongoDB, Supabase, Redis, Sequelize

AI/LLM: OpenAI, Claude, Groq, RAG Pipelines, Prompt Engineering, Vector Search, Qdrant, pgvector

Cloud & Tools: AWS (Lambda, S3, EC2), Docker, GitHub Actions, Vercel, Firebase

Testing: Jest, Vitest, Cypress

Other: Redux, Shopify, Git, JWT

EXPERIENCE

F22 Labs

Chennai, India

Full Stack Developer

October 2023 – Present

Frank Darling — Jewellery E-commerce Platform (Next.js, NestJS, MySQL, AWS Lambda)

frankdarling.com ↗

- Developed a **canvas-based 360° product viewer** with **frame-sequence rendering** and **smooth drag interactions**, enhancing product exploration experience across devices
- Optimized **Core Web Vitals**, **SEO**, and **mobile UX** using **Next.js SSR/ISR** and image optimization, improving page load performance
- Developed and optimized **REST APIs** using **NestJS + MySQL**, improving query performance with indexing and efficient data handling; built **serverless workflows** using AWS Lambda
- Contributed to **145%+ YoY revenue growth** during **BFCM** by delivering **performance and reliability improvements** in an **Agile sprint cycle**

LendFast – AI-Powered Loan Eligibility Platform (React.js, Supabase, GPT-4o, Claude)

In Progress

- Designed and built an **AI-powered loan eligibility platform** using **React.js + Supabase**, enabling automated financial analysis for banking workflows
- Engineered a **custom RAG pipeline** for financial document analysis using **LlamaParse**, **vector embeddings**, and **Qdrant** for semantic retrieval
- Integrated **GPT-4o** and **Claude 3.5 Sonnet** to evaluate key financial metrics (profitability, liquidity, leverage), generating **structured loan eligibility insights**
- Implemented **MCP server integrations** enabling **AI agents** to fetch and reason over **real-time financial data**

Whatsapp Send Later — Chrome Extension (JavaScript, Chrome APIs)

Chrome Web Store ↗

- Developed a **Chrome extension** for **WhatsApp message scheduling** and **contact grouping**, reaching **1,000+ users** with a **4+ star rating**
- Managed **end-to-end release cycle**, including store listing, versioning, and iterative improvements based on user feedback

- Built **7+ recruiter-facing interfaces** including a multi-stage candidate pipeline dashboard with **real-time status tracking** and AI-generated evaluation reports
- Shipped **WhatsApp invite flows**, candidate tracking, and anti-cheating indicators, consistently delivering features **ahead of schedule** in an Agile environment
- Improved candidate evaluation workflows adopted across **10+ companies**, reducing manual screening overhead

ShopClips — Shoppable Video Plugin for Appmaker (React Native)

- Built **short-form video components** (Reels, Stories, Floating Video) as a **React Native plugin**, improving **user engagement** and **conversion rates**
- Established **CI/CD pipelines** using **GitHub Actions**, improving release consistency and deployment efficiency

Prototype

Malappuram, Kerala

Full Stack Developer Intern

November 2022 – August 2023

- Completed an intensive full-stack development program, building **5+ production-grade projects** using the **MERN stack** and **Angular**
- Developed key features including **JWT authentication**, **payment integrations** (Razorpay), real-time dashboards, and adaptive video streaming
- Gained hands-on experience with **React.js**, **Angular**, **Node.js**, **MongoDB**, **Redux**, and **TailwindCSS** through end-to-end project ownership

PERSONAL PROJECTS

MockMate | React.js, Groq, Web Speech API | In Progress

Live ↗ · GitHub ↗

- Built an **AI voice interview practice app** where users pick a role and get interviewed by an AI in real time using **browser-native speech recognition and synthesis** (Web Speech API)
- Integrated **Groq** (llama-3.3-70b) for **dynamic question generation** and **answer evaluation**, providing instant feedback on communication and technical accuracy
- Implemented **session-based interview history** with **per-answer scoring** and improvement suggestions

DocWise | Next.js, Supabase, Gemini, Groq

Live ↗ · GitHub ↗

- Built a **RAG-powered document chat app** where users upload a **PDF** and ask questions; AI retrieves relevant sections and answers in real time with **streaming responses**
- Engineered a **custom RAG pipeline** using **Gemini text-embedding-004** for embeddings, **Supabase pgvector** as the vector store, and **Groq llama-3.3-70b** for chat
- Implemented **chunking strategy** (1500 chars, 300 char overlap) and **cosine similarity search** via custom **Supabase RPC** function

EDUCATION

University of Calicut

Calicut, Kerala

BSc Physics with Computer Science

2018 – 2022