

Fuad Mohammad

Full-stack & Systems Engineer

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SUMMARY

Full-stack and systems engineer who ships end to end — from React and Next.js front ends to Go, Node, Python, and Rails services. I build AI features, token-metered billing, real-time collaboration, and security-critical infrastructure for products with real users.

EXPERIENCE

Software Engineer · Nodeum

Remote · 2026 – Present

- Contributing to an enterprise data-management and storage-orchestration platform built on Ruby on Rails, Angular 17, and Go.
- Shipped Active Directory + Samba/SSSD integration with ACL sync, plus a Prometheus + gRPC metrics and dashboard analytics pipeline.

Lead Front-End Engineer · REI Conveyor Belt

Dallas, USA · May 2024 – Feb 2026

- Owned and architected the front end from the ground up for an enterprise real-estate platform in React + TypeScript, shipping 50+ screens and a reusable component system aligned with Figma.
- Built key product features: Property Folder Management, resource-based permissions (RBAC-style), a real-estate feed, and networking experiences.
- Standardized data and state with Redux Toolkit + RTK Query — caching and request deduping to cut API noise — and enforced schema validation with Zod.
- Improved performance with lazy loading, route-based code splitting, and rendering optimizations for faster loads and smoother navigation.

Full-Stack Engineer · Nucleus Institute and R&D

Vancouver, Canada · Jan 2024 – May 2024

- Built and optimized a Next.js recommendation platform with a strong focus on UI performance, responsiveness, and accessibility.
- Delivered personalized recommendation experiences (movies, books, music) with clean UI flows and reusable components.
- Integrated GraphQL APIs via Apollo Server, enabling efficient data-fetching patterns and a smoother user experience.

Full-Stack Developer · NEO AI Technologies

Addis Ababa, Ethiopia · Jun 2023 – Jan 2024

- Built and maintained healthcare and inventory-management systems with a cross-functional team, using Next.js, React, and TypeScript for scalable, responsive front ends.
- Optimized database performance with .NET and SQL, reducing query times and improving overall application responsiveness.

Software Engineering Intern · NEO AI Technologies

Addis Ababa, Ethiopia · Feb 2023 – Jun 2023

- Developed responsive web interfaces with Next.js, React, and Tailwind CSS, elevating the experience across mobile and desktop.
- Engineered core features in TypeScript, improving code maintainability and reducing bugs.

SELECTED PROJECTS

ReiSearch — Real-estate-investment SaaS — React 19 with a Node serverless backend on AWS Lambda/DynamoDB and Go/Gin microservices; token-metered billing and a streaming LLM "Renovation AI" assistant.

AgentAI — Next.js + Groq LLM SaaS for real-estate agents, with transactionally-enforced token/credit metering.

TeleVault — End-to-end-encrypted file vault — AES-256-GCM per-chunk with an Argon2id key hierarchy; Tauri/Rust desktop, Python agent sidecar, and Flutter mobile.

SKILLS

Languages	TypeScript, JavaScript, Go, Python, Ruby, C#, Dart, SQL
Frontend	React, Next.js, Redux Toolkit, Angular, Tailwind CSS, Framer Motion
Backend	Node.js, Go · Gin, FastAPI, Flask, NestJS, Rails, .NET
Data & Infra	PostgreSQL, DynamoDB, MongoDB, Redis, AWS Lambda, Docker, Prometheus
AI & ML	LLMs (Groq/OpenAI), LangChain / LangGraph, RAG · Weaviate, scikit-learn