

Md. Rasel Miah

Full-Stack Engineer · TypeScript · Next.js · Node · Postgres · AI Integrations



CONTACT

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CORE SKILLS

Frontend

React, Next.js App Router, TypeScript, Tailwind CSS, shadcn/ui, TanStack Query, Zustand, react-hook-form, Zod, dashboards, member portals, admin surfaces, responsive UX

Backend

Node (Express, Fastify, modular service architecture with guards / pipes / queues), Python / FastAPI, Go services, REST + gRPC, auth (JWT, sessions, RBAC), background workers (Celery, BullMQ-style), webhooks

Data & Storage

PostgreSQL (RLS, schema design, migrations, scaling), Supabase, Drizzle / Prisma / SQLAlchemy ORM patterns, pgvector / RAG, Redis caching

AI & Integrations

OpenAI, Anthropic, Google GenAI, xAI, multi-model routing, RAG with citation verification; WhatsApp Business, Telegram, Discord, Meta Graph; Resend, AWS SES, Cloudinary

Cloud & DevOps

Docker, AWS (ECS Fargate, RDS, S3, ElastiCache, SES), Vercel, Coolify, Cloudflare, GitHub Actions CI/CD, Sentry, PostHog, Langfuse, Nginx, DNS / SSL

Delivery

PRD & tech spec, estimates, CI / PR workflows, staging → canary → rollback, observability by default, mentoring through reviews & pairing

EDUCATION

MBA, Finance

Daffodil International University,
2015-2016

BBA, Finance

Daffodil International University,
2010-2014

LANGUAGES

Bangla — native / bilingual

English — professional working

SUMMARY

I ship full-stack products end to end in TypeScript: Next.js + React on the frontend, Node / Python / Go services on the backend, Postgres-first data, AI integrations across multiple channels, and the deployment, observability, and handover that keep them running. My strongest pattern is owning delivery — turning ambiguous goals into tight specs, working software, release plans, and clean handover.

jobXlaw bilingual labour-law RAG with citation verification + multi-channel agents (Next.js, TypeScript)

redxtrm multi-tenant AI agent platform — model routing, RAG, audit & cost visibility

Marina Rewards FastAPI · React · Celery on AWS ECS Fargate (operator + member surfaces)

SELECTED ENGINEERING EXPERIENCE

Founder · AI Engineer (CEO) **redxtrm**

Sep 2025 – Present

Dhaka, Bangladesh

- Building a multi-tenant AI agent orchestration platform — Next.js control surfaces, **TypeScript** across web tooling, and a **Go** core for tenant isolation, capability/cost-aware routing, and operational dashboards.
- Stack: **Postgres + pgvector**, Docker, Coolify on Lightsail, Vercel, Cloudflare, AWS SES / Resend, PostHog, Langfuse, and CI-integrated review agents.
- Operate internal agent teams across **OpenAI, Anthropic, Google, xAI, Z.AI**, and OpenRouter with task routing, review workflows, and token / cost accounting.
- Shipped internal use cases: multi-channel chat fan-out, labour-law / HR RAG, content production pipelines, and an agent control tower with audit visibility.

Founding Engineer · Tech Lead **Labor Law Partner / jobXlaw**

Mar 2026 – May 2026

Dhaka, Bangladesh

- Sole architect and engineer for a bilingual labour-law platform shipped end-to-end on the main domain in ~2 months, with structured handover to client-owned accounts.
- Built **Next.js + TypeScript** app on Clerk, Convex, **Supabase Postgres** with RLS and RAG storage, citation-verified retrieval over Bangladesh Labour Act sources.
- Delivered expert directory, profiles, blog, decision-tree tools, cost calculator, admin approvals, services desk, user management, telemetry, and role-blueprint modules.
- Ran multi-agent WhatsApp / Telegram / Discord operations through the RedClaw gateway; integrated PostHog, Langfuse, Upstash, Cloudflare, Vercel, SES / Resend, OpenAI / Anthropic / Gemini.
- Authored migration & release handover plan covering Supabase, Clerk, Convex, PostHog, Langfuse, Upstash, Cloudflare, Vercel, repo, env vars, and email cutover.

Product · Full-Stack Systems Lead **Marina Rewards**

Project engagement

Remote · AWS

- Built operator intelligence dashboard, member portal, and kiosk surfaces using **FastAPI, React, Celery, AWS ECS Fargate, RDS, and ElastiCache**.
- Worked across product, backend, frontend, queues, data modeling, deployment, and operational debugging for live business users.

SELECTED PROJECTS

jobXlaw — bilingual labour-law platform [Next.js](#) · [TypeScript](#) · [Supabase](#) · [Clerk](#) · [Convex](#) · [pgvector](#) · [PostHog](#) · [Langfuse](#)

Bilingual (Bangla / English) RAG over Bangladesh Labour Act with citation verification, expert directory, decision-tree tools, cost calculator, admin approvals, and multi-channel agents on WhatsApp / Telegram / Discord through the RedClaw gateway. Impact: Shipped end-to-end in ~2 months as sole architect / engineer; delivered a full migration plan and clean handover to client-owned infra (Supabase, Clerk, Convex, Cloudflare, Vercel, email).

redxtrm — multi-tenant AI agent platform [Next.js](#) · [TypeScript](#) · [Go core](#) · [Postgres](#) + [pgvector](#) · [Docker](#) · [Coolify](#) · [Cloudflare](#) · [Langfuse](#) · [PostHog](#)

Orchestration platform with tenant isolation, capability/cost-aware model routing across OpenAI, Anthropic, Google, xAI, Z.AI, and OpenRouter, review workflows, and an agent control tower for audit and cost visibility. Impact: Operating internal agent teams in production; powering content, support, and engineering workflows on top of the same brain.

Marina Rewards — operator + member platform [FastAPI](#) · [React](#) · [Celery](#) · [Postgres](#) · [Redis](#) · [AWS ECS Fargate](#) · [RDS](#) · [ElastiCache](#)

Operator intelligence dashboard, member portal, and kiosk surfaces backed by background workflows on AWS ECS Fargate, with production-oriented telemetry and queue-driven processing. Impact: Live with real business users; covered product, backend, frontend, queues, data modeling, deployment, and on-call debugging.

HOW I WORK

PRD & tech spec	Lightweight PRD and technical spec for every feature before code.
Task breakdown	Clear estimates and named owners; visible scope, risks, and dependencies up front.
Definition of Ready / Done	Agreed with the team upfront so handoffs and reviews stop arguing about scope.
Release plans	Staging → canary → rollback by default; feature flags where it reduces risk.
Observability by default	Metrics, logs, traces, and SLOs on every service — not an afterthought.
Mentoring through reviews	Code review and pairing as the main lever for raising the bar across a small team.

OTHER EXPERIENCE

Vice President · Systems & E-commerce Lead [OPM International](#) Feb 2025 – Present United States · Bangladesh

- Building business systems and e-commerce infrastructure end to end — storefronts, production coordination, QC, and shipping workflows; complex Wix Velo cart / wholesale logic.

Founder · Full-Stack & Operations Lead [Custom Cap BD + US Custom Caps](#) Jul 2020 – Present · Aug 2022 – Present Bangladesh · United States

- Founded and scaled custom headwear commerce; designed, built, and maintained customcapbd.com and uscustomcaps.com; owned the full order lifecycle from intake to shipping.

EARLIER EXPERIENCE

Marketing Director [NR Caps & Headwear Ltd.](#)
Jan 2023 – Present · Bangladesh

Web Developer · Designer · Headwear Supplier [You Design Your Own](#)
Jun 2019 – Present · United States

International Design Consultant [CBC Marketing LLC](#)
Jul 2017 – Jan 2026 · United States

Merchandising Manager [9 Star Apparels Industries Ltd.](#)
Nov 2015 – Jul 2017 · Bangladesh

Finance & Admin Assistant [Planning Commission BD / UNFPA](#)
Jan 2013 – Jul 2017 · Bangladesh

IT Executive [DN Sports Ltd.](#)
Jul 2012 – Dec 2012 · Gazipur