

HOJAYFA RAHMAN

Full-Stack Software Engineer · AI Platforms & Agentic Systems

Dhaka, Bangladesh · Open to Remote · hrmasss.dev · github.com/hrmasss · linkedin.com/in/hrmasss · hi@hrmasss.dev

SUMMARY

Full-stack software engineer building AI platforms end to end: agentic systems, MCP integrations, retrieval and search infrastructure, and the multi-tenant backends that run them in production. Currently building an AI platform for the European luxury-travel market on AWS as a fully remote engineer on a Milan-based team, with EU data residency and GDPR built into the architecture. Experienced taking AI SaaS products, real-time dashboards, and production workflow systems from design through operations, owning both the web front end and the services behind it.

EXPERIENCE

SubscriptionPro

Senior Software Engineer

Hybrid - Dhaka, Bangladesh

May 2026 – Present

- Build AUREV, a multi-channel AI concierge platform for luxury travel, end-to-end — architecture, backend services, agentic workflows, and the React and TypeScript operator web app — across WhatsApp, email, voice, and web.
- Design and maintain an MCP server exposing 25 tools across 11 integration modules — messaging, voice, payments, browser automation, and places — with tenant scoping enforced at the protocol layer.
- Build multi-tenant retrieval infrastructure on PostgreSQL and pgvector with per-tenant embedding isolation, on async FastAPI and SQLAlchemy services backed by Redis Streams workers.
- Operate EU-resident infrastructure on AWS ECS Fargate with Terraform, KMS-backed secrets management, and per-client GDPR consent tracking in the data model.

SoftStandard Solutions

Full Stack Software Engineer

Hybrid - Dhaka, Bangladesh

Jun 2025 – Mar 2026

- Built backends for three AI SaaS products — sales automation (Oppora AI), AI-native search, and marketing automation — with FastAPI, Django REST Framework, PostgreSQL, MongoDB, Redis, and Celery.
- Designed in-house lead search, enrichment, email verification, and deliverability/warmup services — operating over a 1B+ lead and 120M+ verified-email corpus — replacing third-party APIs (Apollo, ZoomInfo, Instantly) across the product suite.
- Developed multi-provider LLM pipelines (OpenAI, Google) orchestrated with LangGraph for research, enrichment, content generation, and assisted campaign execution.
- Built an agent-ready search API with clean markdown extraction, token compression, and source-aware responses for RAG and deep-research workloads.

Humana Apparels (Ha-Meem Group)

Software Engineer

Onsite/Hybrid - Tangail, Bangladesh

Jan 2025 – Sep 2025

- Built ProTrac, a real-time production-floor tracking system with interactive dashboards and live data visualizations — bottleneck detection, defects-per-hundred-units (DHU), and plan-vs-actual progress — replacing day-late manual reporting with live floor-to-management signals at one of Bangladesh's largest apparel manufacturers.
- Built TrueSpec, an order consolidation and lifecycle-monitoring system with anomaly detection for raw-material planning — vendor price shifts, missing or duplicate orders, and warehouse-utilization risk.
- Shipped both full-stack with Django REST Framework, Next.js, PostgreSQL, and Redis; Dockerized deployments with GitHub Actions CI/CD on self-managed Linux and Windows infrastructure.
- Continued part-time as Technical Consultant after handover — advising on architecture, database optimization, and infrastructure, and consolidating virtualization on Proxmox and Windows Server.

Hours Media Ltd

Software Engineer

Remote

Sep 2023 – Dec 2024

- Built and operated backend services for client products — a reselling platform, a micro-investing platform, and e-commerce systems — using Python and Next.js on PostgreSQL.
- Developed automation APIs, background workers, and internal tooling that reduced manual operations across client workflows.
- Drove day-to-day product planning with clients, translating business requirements into implementation priorities and technical tradeoffs.

SKILLS

AI and Agents: Agentic Workflows, MCP (Model Context Protocol), RAG, Vector and Hybrid Search, pgvector, LLM APIs (Anthropic, OpenAI, Google), LangGraph, LangChain

Backend and APIs: Python, FastAPI, Django REST Framework, SQLAlchemy, Celery, Pydantic, Go, Fiber, Node.js, REST APIs, GraphQL, tRPC

Frontend: TypeScript, JavaScript (ES6+), React, Next.js, Tailwind CSS, shadcn/ui, Zustand, React Query, Zod, Recharts / Chart.js, Playwright

Data and Infrastructure: PostgreSQL, Redis (Streams), MongoDB, AWS (ECS Fargate, Secrets Manager, KMS), Terraform, Docker, GitHub Actions, Linux, GDPR / EU Data Residency

EDUCATION

Bachelor of Science in Software Engineering

Daffodil International University, Dhaka, Bangladesh · CGPA 3.71 / 4.00

Sep 2020 – Jun 2024

Languages: English (Professional Proficiency) · Bangla (Native Speaker)