

HOJAYFA RAHMAN

Software Engineer | Backend & AI Systems Engineer | Technical Consultant

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PROFESSIONAL SUMMARY

Software Engineer focused on backend systems for AI SaaS, search, automation, and production workflow platforms. I build Python and Go APIs, PostgreSQL/Redis-backed services, LLM workflows, RAG/search infrastructure, and operational tools that turn product ideas into reliable systems. Comfortable moving across architecture, implementation, infrastructure, and product planning, with a bias toward reducing external dependencies and shipping maintainable systems.

WORK EXPERIENCE

SoftStandard Solutions

Hybrid - Dhaka, Bangladesh

Full Stack Software Engineer

Jun 2025 – Mar 2026

- Built AI SaaS backend systems for sales automation, AI-native search, and marketing automation products including Oppora AI, Sailor Search, and Heimdall
- Designed lead search, enrichment, email verification, deliverability, and warmup services to reduce reliance on third-party tooling
- Developed LLM-powered workflows using LangChain, LangGraph, GPT, and Gemini for content generation, research, enrichment, and assisted campaign execution
- Implemented REST APIs and asynchronous workers with FastAPI, Django REST Framework, PostgreSQL, MongoDB, Redis, and Celery
- Contributed to product planning, feature prioritization, and technical architecture with cross-functional stakeholders
- Improved system reliability, observability, and maintainability across multi-tenant SaaS services

Humana Apparels (Ha-Meem Group)

Hybrid - Tangail, Bangladesh

Technical Consultant

Jul 2025 – Sep 2025

- Advised on architecture, infrastructure, and performance improvements for factory workflow and operational visibility systems
- Supported ProTrac and TrueSpec evolution with backend design guidance, database optimization, and stakeholder-facing workflow improvements
- Improved virtualization and server infrastructure using Proxmox, Windows Server, and Hyper-V

Software Engineer

Jan 2025 – Jun 2025

- Built ProTrac, a production-floor tracking system for bottlenecks, choke points, DHU, plan-vs-actual progress, and real-time action signals
- Built TrueSpec, an order consolidation and lifecycle monitoring system for raw material planning, stakeholder status, and anomaly detection
- Created full-stack applications with Django REST Framework, Next.js, TypeScript, PostgreSQL, and Redis
- Implemented automated workflows, Docker-based deployment patterns, and CI/CD pipelines with GitHub Actions
- Managed supporting infrastructure including Active Directory, Linux servers, Windows Server, and network configuration

Hours Media Ltd

Remote

Software Engineer

Sep 2023 – Dec 2024

- Built and scaled backend services for digital products using Go, Fiber, PostgreSQL, and Redis with a reliability-first approach
- Developed automation-focused APIs, background workers, and internal toolsets that reduced manual operations across product workflows
- Contributed to product direction in day-to-day planning, translating business needs into implementation priorities and technical tradeoffs
- Improved maintainability, deployment reliability, and service performance across production systems

EDUCATION

Daffodil International University

Ashuliya, Savar, Bangladesh

Bachelor of Science in Software Engineering

Sep 2020 – Jun 2024

- **Honors:** CGPA: 3.71/4.00

- **Courses:** Data Structures & Algorithms, Machine Learning, Computer Networks, Object Oriented Programming, Design Patterns, Database Management Systems, Operating Systems, Software Engineering, Web Development
- Completed comprehensive software engineering curriculum with focus on modern development practices
- Specialized in full-stack development, software design patterns, and system architecture

Government Science College

Higher Secondary Certificate in Science

Dhaka, Bangladesh

Jun 2018 – May 2020

- **Honors:** GPA: 4.33/5.00
- **Courses:** Mathematics, Physics, Chemistry, Biology, Information & Communication Technology
- Focused on mathematics, physics, and computer science fundamentals

PROJECTS

Oppora AI

- Built backend infrastructure for an AI sales SaaS centered on end-to-end outbound workflows and vibe sales
- Implemented email verification, lead search, enrichment, and deliverability tooling to reduce dependence on external services
- Developed warmup, outreach, and AI-enhanced content improvement workflows for safer campaign execution

Sailor Search

- Designed and developed backend and infrastructure for an AI-native search API built for agents, RAG, and deep web research
- Implemented clean markdown output, deep search and enrichment, token compression, and agent-friendly response patterns
- Built service foundations for predictable API behavior, source-aware results, and production search workflows

Heimdall

- Built backend systems for a marketing automation SaaS aimed at SMBs without dedicated marketing teams
- Implemented workflows for social campaigns, content publishing, content generation, approvals, and continuous monitoring
- Supported product architecture for campaign planning, automation, and stakeholder review loops

ProTrac

- Built an RMG production-floor tracking system for detecting choke points, bottleneck processes, DHU, and plan-vs-actual gaps
- Shifted production visibility from delayed reporting toward real-time, actionable signals for floor and management teams
- Designed dashboards and backend workflows that connected factory data with stakeholder decision-making

TrueSpec

- Built an order consolidation, lifecycle monitoring, and anomaly detection system for raw material planning
- Consolidated stakeholder-facing order status, timeline changes, and operational risk signals in a shared workflow
- Detected anomalies such as vendor price shifts, missing or extra orders, and warehouse utilization risks

SKILLS

- **Languages:** English (Professional Proficiency), Bangla (Native Speaker)
- **AI & Search:** Large Language Models (LLMs), Retrieval-Augmented Generation (RAG), LangChain, LangGraph, OpenAI GPT, Google Gemini, Vector Search, Agent Workflows, AI-native Search, Content Generation, Data Enrichment
- **Backend & APIs:** Python, Go, FastAPI, Django REST Framework (DRF), Django, Fiber, Node.js, TypeScript, REST APIs, GraphQL, tRPC, Pydantic, Celery
- **Data & Infrastructure:** PostgreSQL, MongoDB, Redis, Docker, Docker Compose, GitHub Actions, Linux, Proxmox, Windows Server, Hyper-V, Active Directory
- **Frontend & Product:** Next.js, React, TypeScript, Tailwind CSS, React Query, Zustand, Zod, Playwright, Product Planning, Stakeholder Collaboration