

Samss Jubair

SOFTWARE ENGINEER (Full-Stack: Go and React)

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[GitHub](#) · [LinkedIn](#) · [Portfolio](#) · [Codeforces](#)

Software engineer with 5 years of building production systems across distributed backends, real-time IoT platforms, and modern web frontends. Comfortable with designing and building features end-to-end from protobuf contracts and Postgres schemas to React UIs and CI/CD pipelines. Strong in Go, TypeScript and system design; ships pragmatic, well-instrumented code.

EXPERIENCE

Software Engineer · **Strativ** · Dhaka, Bangladesh · May 2024 – Present

Worked on **Alent Cloud**, a multi-tenant IoT platform that monitors and controls wood-drying kilns at 110+ sawmills (Go microservices plus a React frontend, split across edge and central cloud services). Also contributed frontend on **AskMoa**, an AI SaaS for European clients.

- Built a distributed real-time alarm subsystem in Go: shipped 34+ rule-based alarms over live sensor data via Redis, with per-user recipient routing, opt-out, and separate email/WebSocket delivery across five microservices.
- Cut report API response time from 8s to 200ms (40x faster) by replacing per-request S3 scans with an indexed PostgreSQL catalog.
- Designed and built scheduled-task microservices for automated and manual batch reporting (CSV/Excel) with email notifications.
- Fixed silent data ingestion overhead by consolidating schema definitions across 27 repos into a unified YAML source, automating SDK generation for Go, TypeScript, Swift, and Python via CI/CD pipelines.
- Built a Python/matplotlib microservice for PDF report charts: rendered InfluxDB time series with overlay layers, optimized performance, and implemented graceful shutdown with structured logging.
- Frontend (React + TypeScript): over 20 months of feature work on operator console, performance optimization and bug fixing, also built the AskMoa AI SaaS frontend.

Full-Stack Software Engineer · **Onushthan BD** · Dhaka, Bangladesh | June 2023 – April 2024

- Owned infrastructure end to end for a marketplace startup: provisioned AWS (EC2, RDS, S3, Lambda) and Docker/GitHub Actions CI/CD for Next.js, Express/PostgreSQL, and React Native apps serving 500+ vendors.
- Integrated core features including auth, push notifications, an AI chatbot using OpenAI/LangChain, and full-stack observability with Google Analytics and Grafana.

Software Developer · **TDnovo** · Finland (Remote) | September 2021 – May 2023

- Built production web frontends (React, Vue.js & Aurelia), dashboards, and a Canvas-based photoshop like image editor.
- Contributed to NestJS/Django backends and a CNN-based computer vision system in Python.

FREELANCE PROJECT

Halal Explore · *Team Lead / System Designer (2023-2024)* Travel platform for a UAE client. Led the 4-person team, designed the system architecture, shipped hotel, activity, cruise, and car-rental booking flows plus a holiday-package builder, serving 1000+ daily users.

SKILLS

Languages: Go · TypeScript · JavaScript · Python · C++ · C · SQL · HTML · CSS

Backend: Echo · Gin · Node.js · Express.js · NestJS · Django / DRF · Python · LangChain · Socket.IO · GraphQL · gRPC

Frontend: React.js · Next.js · Vue.js · React Native · TypeScript · Redux · Zustand · TanStack · Chart.js · Canvas API · Google Maps

Data & Messaging: PostgreSQL · MongoDB / Mongoose · MySQL · SQLite · Redis (streams, hashes) · InfluxDB · Prisma

Cloud / DevOps: AWS (EC2, S3, RDS, Lambda, Route 53, DynamoDB, Cognito) · Docker · GitHub Actions · Auth0

Testing & Other Tooling: Playwright · Jest · Vitest · Git / GitHub · Bash scripting · Docusaurus · Grafana · Google Analytics

AI / ML: LLM APIs · Tool Orchestration · Agentic Workflows · Guardrails · LangChain · RAG & Vector Embeddings · Fine-Tuning · CNNs

EDUCATION

BSc & MSc (Engg) in Computer Science & Engineering · **MBSTU**, Tangail · BSc: 2016 – 2021 | MSc: 2024 – 2026 (Result Pending)

TEACHING & MENTORSHIP

Part-Time Web Development Instructor · **Edge Digital Skill Training, MBSTU** · 2024 - Present · Trained 300+ students in Web Development (React and Django) as an external instructor in Mawlana Bhashani Science and Technology University.