SYED MAHI

Dhaka, Bangladesh | info@syedmahi.me | syedmahi.me | github.com/syedmahi-dev

Backend and systems engineer working in Rust, Go, TypeScript and PostgreSQL. Work includes tenant-isolated APIs, auditable event pipelines, education products and operational automation. IPE undergraduate; project and deployment maturity is stated explicitly.

PROFESSIONAL EXPERIENCE

Syed Systems, Bangladesh — 2024 - Present
AI Engineer
- Worked on ERP-related workflows for orders, inventory visibility, procurement suggestions and operations.
- Built AI-assisted purchasing and market-research features; adoption and performance results are not independently measured.

Knit Plus Limited, Bangladesh — 2026
Industrial Engineering & Planning Intern
- Mapped cutting and production handoffs, identified manual follow-up gaps, and proposed process improvements. No audited percentage improvement is claimed.

Independent Software & Automation Freelancer — 2023 - 2024
Self-Employed
- Scoped and delivered independent software and automation work; client outcomes are not publicly quantified.

PROJECT EXPERIENCE

Vendryx Commerce, Multi-Tenant Commerce Platform — Development
Rust, PostgreSQL, RLS, TypeScript
- Implemented tenant isolation with FORCE RLS and fail-closed missing tenant context. Commerce functionality is extensive; current CI and deployment readiness are not independently verified.

Hall Security, Observe-Only Entry Monitoring — Research Prototype
Rust, TypeScript, mTLS, PostgreSQL
- Built an edge event outbox and typed service boundaries with review-only policy invariants. GPU validation and a qualified release remain outstanding.

LogBook Institution, University LMS / ERP — Development
Go, chi, pgx, Next.js, PostgreSQL
- Built Go JWT authorization tests and tenant-aware APIs. The teaching core is incomplete and the latest visible CI run failed.

IPE-24 Classroom, Academic Portal — Cohort Product
Next.js, PostgreSQL, TypeScript
- Built a portal for notices, routines and class resources. Usage of 60+ students is reported but not independently audited.

EDUCATION

Islamic University of Technology (IUT), Gazipur, Bangladesh — Ongoing
Bachelor of Science in Industrial & Production Engineering

SKILLS & OTHER

Languages & Backend: Rust, Go, TypeScript, Python, SQL, PostgreSQL, REST APIs, OpenAPI
Cloud, DevOps & Messaging: Docker, GitHub Actions, Linux, Git, SQL migrations, typed API contracts
AI & Automation: LLM integrations, structured workflow data, human review, computer vision research
Security & Reliability: OAuth, JWT validation, PostgreSQL RLS, mTLS, audit, outboxes, regression tests