Mowazzem Uddin Ahmed

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SKILLS

Languages: Java
Web & Frameworks: HTML, CSS, JavaScript, TypeScript, React.js, Next.js, Node.js, Express.js
Databases: MongoDB, MySQL, PostgreSQL, Prisma, Firebase
Cloud & DevOps: GCP, AWS, Kubernetes, KubeVela, Docker, Jenkins
Testing & Performance: Postman, k6
Monitoring & Observability: Prometheus, OpenTelemetry, Grafana, Envoy
Tools: Git, GitHub, VS Code, Figma, Canva, Photoshop, Linux, Unreal Engine

EXPERIENCE

Freelance Full-Stack Developer   2024 – Present
Freelancer

− Shipped 2 full-stack freelance projects — including one deployed on EC2 with CI/CD, authentication, and database integration.

Hackathon Participation
MLH, Hack4Bengal (Qualifier), Rebase 01, ETH SEA Finalist

Founder & Lead Organizer
CNCF Chapter Durgapur

Google Cloud Arcade Facilitator   2025
Google Cloud

Open Source Contributor
Kubernetes Project

Internships

− Marg ERP — Backend Developer (Intern)
− NeuroinkX — Backend Developer (Intern)

EDUCATION

NSHM Knowledge Campus, Durgapur   2022 – 2026
B.Tech in Computer Science and Engineering

Methodist School, Dankuni   2010 – 2022
High School Education

PROJECTS

Edu_Empower — *React, TypeScript, Supabase, Prisma, Python, GCP*   GitHub | Live

− AI-powered scholarship portal with optimized search and ranking logic for faster eligibility results.
− Used GCP Vision API + Python for automated document parsing to reduce manual verification effort.
− Why Prisma? — Type-safe queries, automated schema migration, and 20% faster DB operations.

Involve — Real-Time Booking App — *Next.js, TypeScript, Socket.io, Redis, Blockchain*   GitHub | Live

− Built Urban Company-style booking platform with real-time service availability and chat support.
− Used Redis Pub/Sub for low-latency notifications ($<80\,$ms) instead of REST polling.
− Blockchain ensures tamper-proof service history and secure transaction logging.

DevOps Project — *Docker, Kubernetes, TypeScript*   GitHub

− Containerized full-stack application and implemented CI/CD using DockerHub and Kubernetes.
− Used Kubernetes HPA for autoscaling workloads — improved handling of traffic spikes by 40%.
− Demonstrated microservice architecture and secure secret management with Kubernetes Secrets.