

Rafidul Islam

Fullstack Engineer | Dhaka, Bangladesh

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SUMMARY

Fullstack engineer with 4 years of experience building production web applications using JavaScript/TypeScript, Python, and Go. Comfortable owning systems end-to-end, from frontend development to backend architecture with performance optimizations.

SKILLS

Programming Languages: JavaScript, Java, Python, Go, HTML, CSS, TypeScript

Frameworks / Libraries: Node.js, Express.js, Mongoose.js, Django, Gin, GORM, Next.js, React.js, Tailwind

Tools: Git, Docker, Linux, MongoDB, SQL, Redis, Elasticsearch, AWS S3, OpenAI, Github Actions, Stripe, PostgreSQL

WORK EXPERIENCE

Airwork AI

Backend Engineer

Dhaka, Bangladesh

Aug 2022 – Present

- Led the migration from a legacy backend to a TypeScript REST API with autogenerated shared types, integration test suites and OpenAPI documentation, reducing technical debt and improving API reliability
- Managed the integration of Elasticsearch with comprehensive search functionality and filters to aid clients in finding the right talent for their needs from a pool of 15k+. Automated syncing of Elasticsearch indices with database updates
- Developed stress testing pipelines using Python and Locust to simulate 1000+ concurrent users and pinpoint bottlenecks to optimize API performance under high concurrency
- Implemented Google's Calendar API to allow seamless scheduling of meetings between clients and users without the need for OAuth or reliance on external APIs, cutting subscription costs by nearly 20%
- Implemented tier-based feature access system supporting SaaS monetization strategy across free and paid plans

Private Client (Freelance)

Backend Engineer (Contractual)

April 2026 – May 2026

- Utilized Go and goroutines to optimize long running calculations by switching to an event based model and parallelizing them leading to a cut in dashboard response times by almost 75%
- Migrated core functionalities of a RESTful API from Node.js/Supabase to Go and PostgreSQL

Polymath

Frontend Engineer (Contractual)

Oslo, Norway

Nov 2025 – Dec 2025

- Developed UI components and pages in Next.js for an AI chatbot used by approximately 10k users in production

bKash

Intern in Product & Technology Dept.

Dhaka, Bangladesh

Jun 2022 – Jul 2022

- Helped prototype SSO login systems for internal tools in Java and Spring Boot

EDUCATION

B.Sc. in Computer Science at **BRAC University** (CGPA: **3.92/4.00**)

Jan 2019 – May 2022

CAIE O Levels (**4 A***, **3 A**) & A Levels (**3 A***) from **Sunnydale School**

Jun 2016 – Jun 2018

PROJECTS

Genetic Algorithm Simulation

Visualized a genetic algorithm solving shortest-path problems across random nodes and obstacles using Python and Matplotlib.

Tamashi

Discord music bot that syncs Spotify listening activity for live group playback and supports song requests from YouTube, Spotify, etc.

AWARDS / CERTIFICATIONS

- 1st Runner Up at BRACU Intra University Programming Contest (Fall 2019) as a team of 3 members