

JABER AL RAFIAN

SOFTWARE ENGINEER

(+880) 177 571 6261

rafian.vps.webdock.cloud

jaberalrafiar@gmail.com

Dhaka, Bangladesh

PROFESSIONAL SUMMARY

Backend Software Engineer with 7+ years of experience designing and building scalable distributed systems, microservices, and real-time data platforms. Specialized in Golang, Kafka, Kubernetes, PostgreSQL, and cloud-native architectures, with hands-on experience in high-throughput financial and trading systems. Proven track record of improving system performance, leading technical initiatives, and delivering resilient production-grade software in fast-paced environments.

EXPERIENCE



Techetron Ventures LTD.

Software Engineer [Jan 2022 - Nov 2025]

- Designed and owned backend microservices powering real-time market data distribution across multiple internal services.
- Designed and implemented an event-driven ingestion pipeline using Kafka and RabbitMQ to distribute real-time DSE ITCH market data to downstream services, processing 500K-700K messages daily while sustaining burst traffic of up to 1,000 messages per second during peak trading hours.
- Served ITCH data via REST API and integrated a real-time messaging system with Centrifugo: Reducing API Calls by 25%.
- Generated & optimized TradingView charts (75% CPU Reduction).
- Reduced API authentication time by 45% through PostgreSQL query optimization, indexing and Redis caching.
- Designed deployment strategy using Kubernetes and GKE for highly available microservices.



ajke.live

Software Engineer [Nov 2020 - Dec 2021]

- Designed and implemented microservices using NestJS for data streaming, storage, and APIs, achieving high throughput and low-latency.
- Used BullMQ to schedule and manage cron-based background operations reliably.
- Maintained various managed services from AWS & DigitalOcean, including databases, container registry, buckets and VMs.



TECHmet

Co-Founder [May 2018 - Oct 2020]

- Had the opportunity to lead the dev team. We developed eCommerces, web portals, management systems, messaging services etc.
- Built a platform for garments stock-lot traders, shortlisted and pitched in ICT awards 2019.



Brotherhood Infotech

Web Developer [Jan 2018 - Apr 2018]

- Developed multiple websites and a management system for an Internet Service Provider.

MAJOR PROJECTS



A real-time stock trading platform for Dhaka Stock Exchange (DSE).

TECHNOLOGIES : Golang, Gcloud, Docker, Kubernetes, gRPC, Minio, kafka, RabbitMQ, Envoy proxy, gitlab ci/cd, Kong, Postgres, Loki, Prometheus



Country's first live shopping platform [1st Position, NSU Startups Next]

TECHNOLOGIES : TypeScript, NodeJS, NestJS, PostgreSQL, TypeORM, BullMQ, Docker, various managed services from DigitalOcean.



Garment Basket is a platform for stock-lot traders

TECHNOLOGIES : NODEJS, ExpressJS, MySQL, WebSocket, EJS, AJAX, NPM packages.



Divas Defense is an eCommerce platform.

TECHNOLOGIES : NODEJS, ExpressJS, MongoDB, Mongoose, NPM packages.



Built a web portal for a UK utility brokerage that streamlined utility renewals and automated customer reminder notifications.

Technologies : NODEJS, ExpressJS, MySQL, Mail server, NPM packages

SKILLS



Golang



GRPC



Protocol Buffers



Envoy Proxy



Event Streaming



Message Broker



Redis Caching



API Gateway

NGINX

Web Server



Containerization



Container Orchestration



Google Cloud Platform

Other Technologies

TypeScript, NodeJS, NestJS, Bash

PostgreSQL, MySQL, MongoDB, Oracle

Apache2, Centrifugo, NATS, PM2

Prometheus, Grafana, Loki



EDUCATION



American International University Bangladesh (AIUB)
2014 - Dec 2018

BACHELOR OF SCIENCE IN SOFTWARE ENGINEERING

CGPA : 3.65

Final Project : Blackboard (Top 25 in Grameenphone Accelerator)



Udayan Higher Secondary School - Fuller Road
2012 - 2013

HIGHER SECONDARY SCHOOL CERTIFICATE
GPA : 5.0



Udayan Higher Secondary School - Fuller Road
2011

SECONDARY SCHOOL CERTIFICATE
GPA : 5.0