

Asaduzzaman Noor

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Brief

Backend Engineer with a strong foundation in designing, developing optimized distributed systems. Proficient in backend development with intermediate frontend skills. Experienced in Golang, Kubernetes, AWS, and scalable architectures. Passionate about delivering high-performance solutions and DevOps automation with a keen interest in Machine Learning.

Skills

Languages Go, Lua, Bash, Zig, JavaScript, Python	Message Brokers Asynq (Go), NATS
Frameworks Echo, Gin, Alpine.js, Alpine-AJAX, TailwindCSS	Infrastructure Kubernetes, Docker, Terraform, Linux
Databases MySQL, Redis, DynamoDB, Elasticsearch	Monitoring Grafana, Prometheus, Loki
	Cloud Platform AWS, GCP

Experience

Vivosoft Limited
Software Engineer

Aug 2022 – Present

[Klikit](#)

- Microservice to handle uploading files to GCS, as well as image conversion and resizing.
- Microservice to send emails with MailGun.
- Microservice to send SMS and WhatsApp messages to users.
- Integrate Third-Party Platform to Klikit.
- Collaborated with other microservices as necessary.
- *Tech Stack: Go, MySQL, Docker, Kubernetes, AWS EKS, GCP GCS, MailGun*

[Hink](#)

- Refactored the project with Clean Architecture principle.
- Fixed bugs.
- Deployed a lambda for handling media post-processing.
- *Tech Stack: Go, MySQL, Elasticsearch, Docker, Kubernetes, AWS S3, GCP GKE, Google Maps API*

[Circle](#)

- Refactored DynamoDB table design for better indexing and faster data retrieval as well as reducing read/write costs.
- Improved user feed.
- Automated place registrations from user pings.
- User management features for admin.
- *Tech Stack: Go, AWS DynamoDB, Docker Swarm, AWS EC2, AWS SES, Google Maps API*

Education

North South University, BD
Bachelor of Science in Computer Science and Engineering

2021

Publications

- Patch-Wise Semantic Segmentation of Sedimentation from High-Resolution Satellite Images Using Deep Learning — [Springer - 2021](#)
- Effect of Label Noise on Multi-Class Semantic Segmentation: A Case Study on Bangladesh Marine Region — [Taylor & Francis - 2022](#)

Projects

Inventory Management & Ledger

2022

- Desktop App
- Implemented UI and Engine.
- *Tech Stack: Wails (Go), ReactJS, TailwindCSS, SQLite*