

# Jahangir Alam

📍 **Dhaka, Bangladesh** | 🛠️ *DevOps Engineer with experience in web development, managing and developer advocacy.*

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## Skills

**Programming Languages Proficient:** JavaScript

**Technologies** Kubernetes, Helm, ArgoCD, Harbor Registry, Gitlab CI/CD pipelines, Docker, Prometheus, Grafana, Elasticsearch, Kibana, Keycloak, Kong

**Platforms Familiar:** Amazon web service, Terraform

## Work Experience

### SoftBD Ltd.

DevOps ENGINEER

Dhaka, Bangladesh

Feb.2024 - present

- Managing production-grade **Kubernetes clusters** deployed via kubeadm, using **Helm** and **Helmfile** to deploy and maintain applications.
- Maintaining infrastructure and deployment pipelines for key government projects like:
  - Digital Land Record Management System (DLRMS) – Bangladesh Land ministry**
  - Bangladesh National Portal**
  - Ministry of Internal security [Somalia]**
- Monitoring clusters using Prometheus, Grafana, Elasticsearch and Kibana.
- Skills:** Kubernetes, Helm, ArgoCD, Gitlab Actions, Harbor registry, Prometheus, Grafana, Kafka, Docker, NGINX, Keycloak, Kong

### Jr. SOFTWARE ENGINEER

- Contributed to a pivotal project implemented by the **Land Administration Management System (LAMS)**, playing an integral role in its development and execution.
- Played a key role in the development of the <https://lams.land.gov.bd/> project for the Land Ministry of Bangladesh and Land Ministry Management System
- Skills:** Typescript, Nestjs, Typeorm, MySQL

### Gain Solutions Ltd.

NODE JS DEVELOPER

Dhaka, Bangladesh

Dec. 2021 – Mar. 2023

- Develop a property management service for a client which raise more than **\$2 million fund**
- I am working on **uniteliving** project as a node js developer. Uniteliving is mainly a DTMS service which is a property management service in Norway. I am working in 3 different app for uniteliving. [Public app](#), admin app and [partner app](#)
- Works in a team of **27 members** including UI/UX, Front-end, Back-end, SQA and Full-stack developers.
- Works with a team that follows **Agile methodology**. Tasks are divided by weekly sprint. Following day-to-day scrum with scrum master and manage project with **Jira** tool.
- Improved product quality by reviews code and collaborating with QA.
- Skills :** node js, mongoDB, GraphQL, unit and integration testing with mocha & chai, AWS lambda manager

### Sailor's Express Ltd.

NODE JS DEVELOPER

Dhaka, Bangladesh

Sep. 2021 – Dec. 2021

- Sailor's Express is an e-commerce company. My job was to create api for dashboard with node js and mongodb. Also, I have implemented **SSLCOMMERZ payment gateway** and **Bkash payment gateway**
- Skills:** node js, express js, mongodDB

## Personal Projects

### Microservice app

Nx monorepo, Nestjs, Typeorm, Prisma, Postgres, Mysql, Kafka

- Create a microservice app using Nx monorepo workspace.
- Inter service synchronous communication with different protocol like gRPC, http, tcp protocol
- Inter service asynchronous communication using kafka, rabbitmq

## Online shop microservice app

Kubernetes, Helmfile, Nodejs, Go, Redis

- Create an app with different technologies like: Nodejs, Java, Python, Go, dot.net and redis. Then create a microservice app managed by *Kubernetes* and *Helmfile*

## Monitoring Kubernetes app using Prometheus and Grafana

Minikube, Helm chart, Alert manager, Third-party app monitor

- If CPU uses is more than 50% then we sent an email to user. CPU load information grab by Prometheus, then handle by Alert manager.
- Manage and monitor Redis app
- Monitor Nodejs app request/response rate and monitor performance in Grafana
- Kubernetes cluster manage using Helm chart operator

## Automate Nodejs app using Github actions

Docker, dockerHub, Nodejs, Github actions

- Create an app using nodejs, then make automation using github actions to build, test and deploy this app to Docker hub.

## Nodejs microservice application with RabbitMQ queue service

Node js, RabbitMQ, docker-compose

- Create 2 nodejs demo application
- 1 app to produce data and send to RabbitMQ
- Another app to receive data from RabbitMQ

## Nginx reverse proxy server for Nest js app

Nginx, Nest js, Docker compose, Reverse proxy

- Spin up nodejs app and nginx proxy server using docker compose file
- Request will first hit to our Nginx proxy server then forward to Nodejs application.
- Save nodejs application from outside world attack using reverse proxy.

## Education

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University of Information Technology & Sciences (UITS)

B.SC. IN COMPUTER SCIENCE AND ENGINEERING

CGPA: 3.08

Dhaka, Bangladesh  
sep. 2015 - Jan. 2020

