

# ISHMAM ABIR CHOWDHURY

## SOFTWARE DEVELOPMENT ENGINEER

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[Technical Articles](#)

Miyazaki, Japan

[Portfolio Website](#)



## WORK EXPERIENCE

### Kodensya Co. Ltd

Nobeoka, Miyazaki, Japan

#### Software Development Engineer

January 2023 - current

My responsibility is to work as a fullstack developer to work in both frontend & backend. Also, involved in some server related tasks for the project deployment. Responsible for complete project development lifecycle from creating ERD, planning, database design to deployment.

#### Backend Responsibilities

- Implementation of **Clean Architecture** without using frameworks,, **Multi Module Architecture** in Golang using **GORM**, **Gorilla Mux** & **net/http**. Also, implementation of **Go Swagger**, **timescaledb** and **Service level transaction** for developing the backend.
- Implemented **Go-excelize** for excel file creation in the backend.
- implemented **Redis** for user authentication & authorization.
- Optimised Uploaded image size by compressing to smaller size, adding watermark to uploaded image.
- Creation of documentation, setting code quality standards & rules for the projects.
- Maintaining code commits and pull requests using local git server.
- Improved application reliability by designing a fallback solution to maintain data consistency during database action using the Service level transaction.

#### Frontend Responsibilities

- Implement frontend using **Vuejs 3** with options API and **Vuetify 3**. Also, implemented **web pdf viewer** and **dxf(AUTOCAD) file viewer** on the project. Implemented **pinia** for store management.
- Other libraries like vue-router, vue3-toastify, vue-chartjs, v-phone-input, vue-qrcode are implemented in the frontend.
- Optimised project build management by Introducing **Vite**, a modern, fast, and lightweight build tool for Vue.
- Improved the responsiveness of the old Project's UI.
- Implemented an optimised system which loads faster than any older system.

#### Other Responsibilities

- Responsible for implementing a **Gitlab local server** to maintain version control of the company's codebase.

## EDUCATION

### International Islamic University Chittagong

Bachelor of Science  
Computer Science & Engineering

2016 - 2021

Chattogram, Bangladesh

### Notre Dame College

Science  
Higher Secondary Certification (HSC)  
2013 - 2015  
Dhaka, Bangladesh

## SKILLS

- Golang
- Git/Github/Gitlab
- GORM, Gorilla Mux, Sqlic
- Go migrate
- VueJs 3, Vuetify 3
- Java, Core Java
- SpringBoot, Spring Data Jpa
- HTML, CSS, Bootstrap
- Arduino, Embedded System
- Trello

## LANGUAGE

### Bengali

- Native

### English

- Full working knowledge in Speaking & writing

### Japanese

- Communication Knowledge in Speaking

# Brain station 23 Ltd

Dhaka, Bangladesh

## **Associate Software Engineer (Backend) - L2**

January 2022 - August 2022

## **Associate Software Engineer (Backend) - L1**

September 2021 - December 2021

## **Software Engineer Trainee**

March 2021 - August 2021

I was responsible for developing the backend of loyalty point management systems (like: Rakuten points or paypay points). Point acquisition, point reward setting, point management, redeem & campaign management can be done through the system.

### **Backend Responsibilities**

- Responsible for developing the full story of a feature & RESTful APIs using **Java Spring boot** with **MySQL** database..
- Responsible for requirement analysis, database design and creating well organized APIs.
- Review and maintain code quality through refactoring, testing & debugging. Maintain git commits & formats.
- Created report design and implementing apis using **Jasper Report** for Java.
- Implemented **Liquibase** for database migration & data change management.

## **PROJECTS**

### **Go Service Level Transaction**

 [Github Open Source](#)

A database fallback prevention method for golang that ensures data consistency & reliability.

#### **Backend**

- Implementation of service level transaction for database fallback using Golang. Implemented as an open source project on github.

### **Go Clean Architecture, Swagger**

 [Github Open Source](#)

#### **Backend**

- Implemented clean architecture using golang without using any framework.
- Also, implemented Go-Swagger for API documentation on the same github repository into another branch.
- Used postgres for database, Gorm as the ORM tool and gorilla/mux for API routing.

### **Timescale db - Golang**

 [Github](#)

implementation of timescaledb and hypertable using golang.

#### **Backend**

- Hypertable related implementation using golang.
- Implementation procedures for using it as a docker container .

### **Spring Security Authentication App**

 [Github](#)

implementation of role-based authentication and authorization (RBAC) project built with Spring security. This project implements CRUD functionality, relational mapping, and spring security authentication.

#### **Backend**

## **CERTIFICATION**

### **Complete Vue Developer Bootcamp**

- This certification course from Udemy helped me to learn the basics of VueJs 3, a progressive javascript framework.

### **BJET Advanced Course**

- The BJET Advanced Course, conducted by the University of Miyazaki, is a continuation of the fully funded BJET Basic Course held in Japan. This program provides participants with hands-on experience through internships at Japanese companies, while simultaneously offering in-depth training in the Japanese language and work culture at University of Miyazaki.

### **BJET Basic Course**

- BJET (Bangladesh-Japan ICT Engineers' Training Program) is a skills development initiative designed to prepare Bangladeshi ICT professionals for careers in Japan's tech industry. The program offers training in Japanese language, business culture, and IT skills.

### **Java From Basic to Professional**

- Completed professional development using Java course from Pondit, a Bangladesh-based online training platform dedicated to equipping learners with in-demand ICT and professional skills.

## **Other Achievements**

### **Japanese Driving Licence**

- I went to a Japanese driving school, attended classes in japanese and achieved a standard motor driving licence within 2 months.

- Implemented Spring Security for Role based authentication.
- Used MySQL as the database .

## Freelance

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### Matrix Platform Limited



[Website](#)

This is a freelance project completely done by me.

- I used HTML, CSS, and JavaScript for developing the project, managed versioning and live server using git, deployed & hosted to the web server .