

ISHMAM ABIR CHOWDHURY

SOFTWARE DEVELOPMENT ENGINEER

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[LinkedIn](#)

[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

January 2021 - December 2021

Software Engineer Trainee

March 2021 - August 2022

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

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 .