

## TECHNOLOGY USED IN THE PROJECT

### 1. PROJECT MANAGEMENT

- Trello  
Simple, easy to use, and can implement scrum with it

### 2. CONTRACT PROJECT

- Draw.io  
It has many features and there is special feature for making Entity Relationship Diagram (ERD)
- Swagger Open API  
Easy to use in yaml format and you can simulate the Restful API in the development phase or production phase with template simulation

### 3. PROGRAM LANGUAGE

- Golang  
One of the fastest program languages with concurrent systems that used

### 4. DATABASE MANAGEMENT SYSTEM (DBMS)

- MySQL  
Useful for managing relation-based databases (users and transactions) and suitable for applications that are not yet complex in scope
- MongoDB  
Useful for managing document-based databases (product or food menu)

### 5. Go Web Framework

- GIN  
Most popular framework with high performance

### 6. Secure Authentication and Authorization

- JWT  
one of the popular frameworks that have security features that are quite complete and easy to use in the authentication and authorization process

### 7. Payment Gateway

- Midtrans  
One that I've used with a fairly complete payment method and notification handling. Can send payment receipt to email customer

### 8. Create Report

- Package CSV  
Simple to use and the main package from go to create csv file. After creating a report, it sends to AWS S3 and the admin can get the report from AWS S3.

9. Database Cloud Service

- AWS RDS  
One of the best database cloud servers with the high performance and high security

10. Cloud Computing Server

- AWS EC2  
High performance, high capacity, and high security. Can be used to connect with other AWS services via AWS VPC

11. Cloud Storage Service

- AWS S3  
High Performance, high security, and equipped with a file management system that is quite easy

12. Container Manager

- Docker  
Most Popular container manager, high performance and free. Better performance than VM Manager

13. CI/CD Pipeline

- Github Action  
easy to debug the application and one of the popular CI/CD pipelines