

# 개발 환경

## 형상관리

- Gitlab

## 이슈 관리

- Jira
- mattermost

## Communication

- Mattermost
- Webex
- Notion

## OS

- Ubuntu 20.04 LTS

## UI/UX

- Flutter Flow
- nGrinder
  - controller
  - agent

## IDE

- **IntelliJ**
- **Android Studio**
- **Pycharm**
- **MobaXterm**

## **DataBase**

- **Mariad DB**
- **Redis**

## **Server**

- **AWS EC2**
  - Ubuntu 20.04 LTS
  - Docker 23.0.2
  - Docker images
    - MariaDB 15.1
    - FLASK
    - Jenkins 2.387.1
    - Redis
    - Spring Boot

## **BackEnd**

- **Java Open-JDk 11**
- **SpringBoot 2.7.8**
  - Gradle
  - Spring Data Jpa
  - jwt 0.9.1
  - Spring Security
  - OAuth (kakao)

- gson 2.8.7
- httpclient 4.5.12
- jackson-databind 2.12.5
- httpmime 4.3.1
- okhttp3 4.10.0
- Lombok 1.18.22
- Swagger 3.0.0
- **Flask**
  - python 3.8
  - pydub
  - ffmpeg

## FrontEnd

- **Dart 2.19.3**
- **Flutter 3.7.6**
  - cupertino\_icons: ^1.0.2
  - provider: ^6.0.1
  - animated\_bottom\_navigation\_bar: ^1.2.0
  - timeline\_tile: ^2.0.0
  - dio: ^4.0.6
  - camera: ^0.10.3+2
  - path\_provider: ^2.0.13
  - video\_player: ^2.2.5
  - permission\_handler: ^10.2.0
  - file: ^6.1.4
  - path: ^1.8.2
  - geolocator: ^9.0.2
  - intl: ^0.18.0

- smooth\_page\_indicator: ^1.0.1
- multi\_image\_picker\_view: ^0.0.15
- image\_picker: ^0.8.7
- extended\_image: ^7.0.2
- record: ^4.4.4
- audioplayers: ^3.0.1
- flutter\_secure\_storage: ^8.0.0
- flutter\_dotenv: ^5.0.2
- infinite\_scroll\_pagination: ^3.2.0
- http\_parser: ^4.0.2
- device\_info\_plus: ^8.1.0
- lottie: ^2.3.1
- flutter\_launcher\_icons: ^0.12.0
- animated\_icon\_button: ^1.0.2
- flutter\_native\_splash: ^2.2.19