

# **Environment**

### 형상 관리

Gitlab

# 이슈 관리

Jira

### Communication

- Mattermost
- Webex
- Notion

#### os

Windows 10

#### UI/UX

Figma

### 기타 편의 툴

- Postman 9.31.9
- Termius 7.48.0
- · Bash shell script

#### IDE

- IntelliJ (2022.1.3)
- Visual Studio Code (1.69.X)
- Android Studio Chipmunk(2021.2.1)

#### Server

- AWS EC2 Instance
  - Ubuntu 20.04 LTS
- · Hadoop Cluster

# **Deployment**

- Docker 20.10.18
- Jenkins 2.361.1

### **DataBase**

MySQL (8.0.29)

# **Mobile Application**

- Java Open-JDK zulu 8.33.0.1
- Gradle 7.2.2
- Android sdk minimum: 26(8.0)
- PhilJay/MPAndroidChart(v3.1.0)

# Rest API Server

- Java Open-JDK zulu 8.33.0.1
- SpringBoot Gradle 2.7.2
  - Spring Data JPA
  - Lombok
  - o Swagger 2.9.2

# **Distributed processing**

# **Open API & External Library**

Environment 1

- Hadoop Cluster
- PySpark 3.2.1-amzn-0
- Airflow 2.4.0

### **Open API**

- NAVER CLOUD Simple & Easy Notification Service
- kakao login API

# **Python Package**

KoNLPy

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