**1. 프로젝트 버전**

(1) 웹 서버

a. Apache Tomcat : 9.0.76

b. Nginx : 1.18.0

(2) 로그 서버

a. Elastic Search : 7.10

b. Kibana : 7.10.1

(3) 가상 서버 : Docker

a. Docker : 24.0.6

b. Docker Compose : 1.25.0

(4) 배포 : Jenkins 2.414.3

(5) JVM : 11.0.19

(6) FE

a. VSCode : 1.84.2

b. React : 18.2.0

(7) BE

a. IntelliJ Ultimate : 2023.01

b. Spring boot : 2.7.13

(8) DB : MySQL 8.0.34

a. MySQL : 8.0.35

b. MongoDB : 7.0.2

c. Redis : 7.2.3

**2. 환경 변수**

(1) Port

a. Nginx : 80(http), 443(https)

b. 웹 서버 : 8000

c. 로그 서버 : 9999

d. MySQL : 3306

e. MongoDB : 27018

f. Redis : 6379

g. ElasticSearch : 9200

h. kibana : 5601

(2) Spring DB Setting

spring.datasource.hikari.driver-class-name=com.mysql.cj.jdbc.Driver  
spring.datasource.url=jdbc:mysql://k9d202.p.ssafy.io:3306/dddev?useUniCode=yes&characterEncoding=UTF-8  
spring.data.mongodb.uri=mongodb://dddev:dddev@localhost:27018/dddev  
firebase.server.key=(firebase 키 값)

(3) JPA

spring.jpa.hibernate.ddl-auto=none  
spring.jpa.database=mysql  
spring.jpa.show-sql=true  
spring.jpa.database-platform=org.hibernate.dialect.MySQL8Dialect  
spring.jpa.properties.hibernate.format\_sql=true  
spring.jpa.properties.hibernate.globally\_quoted\_identifiers=true

(4) JWT

jwt.secretKey=JWT 시크릿 키 값  
# 1 hour  
jwt.access.expiration=3600000  
jwt.access.header=Authorization  
# 2 week  
jwt.refresh.expiration 1209600000  
jwt.refresh.header=Authorization-refresh

(5) File

spring.servlet.multipart.location=/app/file  
spring.servlet.multipart.max-file-size=10MB  
spring.servlet.multipart.max-request-size=10MB  
file.folder.profile=/profile  
file.folder.profile.user=/user/  
file.folder.profile.ground=/ground/  
filee.folder.document=/document/  
file.return.link=https://k9d103.p.ssafy.io/img/document

(6) Spring Security

spring.security.oauth2.client.registration.github.client-id=github id  
spring.security.oauth2.client.registration. github.client-secret=github pw  
spring.security.oauth2.client.registration.github.redirect-uri=github 리다이렉트

(7) Redis

spring.redis.host=k9d103a.p.ssafy.io  
spring.redis.port=6379  
spring.redis.password=redis password

(7) OPEN AI

openai.model=gpt-4-1106-preview  
openai.api.url=https://api.openai.com/v1/chat/completions  
openai.api.key=gpt open ai api key

**3. 배포**

- 앱 서버

(1) Server Name : <https://k9d103.p.ssafy.io:8001>

(2) Jenkins

|  |
| --- |
| version: '3'  services:  jenkins:  container\_name: jenkins  image: jenkins/jenkins:lts  restart: on-failure  ports:  - "8080:8080"  volumes:  - /var/jenkins\_home:/var/jenkins\_home  - /var/run/docker.sock:/var/run/docker.sock  - /usr/bin/docker:/usr/bin/docker  - /var/www/backend:/var/www/backend  - /var/www/frontend:/var/www/frontend  user: root |

- 로그 서버

(1) Server Name : http://k9d103a.p.ssafy.io:9999

(2) Jenkins

|  |
| --- |
| version: "3"  services:  jenkins:  container\_name: jenkins2  image: jenkins/jenkins:lts  volumes:  - /var/jenkins\_home2:/var/jenkins\_home  - /var/run/docker.sock:/var/run/docker.sock  - /usr/bin/docker:/usr/bin/docker  - /var/www/logServer:/var/www/logServer  ports:  - "8090:8080"  environment:  - TZ=Asia/Seoul  user: root |

(3) Elastic Search, Kibana

|  |
| --- |
| version: "3"  services:  es01:  image: docker.elastic.co/elasticsearch/elasticsearch:7.10.0  container\_name: es01  ports:  - "9200:9200"  volumes:  - /var/lib/logServer\_elasticsearch:/var/lib/elasticsearch  environment:  - node.name=es01  - cluster.name=es-docker-cluster  - discovery.seed\_hosts=es02,es03  - cluster.initial\_master\_nodes=es01,es02,es03  - bootstrap.memory\_lock=true  - "ES\_JAVA\_OPTS=-Xms512m -Xmx512m"  - ELASTIC\_USERNAME=dddev  - ELASTIC\_PASSWORD=dddev  ulimits:  memlock:  soft: -1  hard: -1  networks:  - logServer  es02:  image: docker.elastic.co/elasticsearch/elasticsearch:7.10.0  container\_name: es02  volumes:  - /var/lib/logServer\_elasticsearch1:/var/lib/elasticsearch  environment:  - node.name=es02  - cluster.name=es-docker-cluster  - discovery.seed\_hosts=es01,es03  - cluster.initial\_master\_nodes=es01,es02,es03  - bootstrap.memory\_lock=true  - "ES\_JAVA\_OPTS=-Xms512m -Xmx512m"  - ELASTIC\_USERNAME=dddev  - ELASTIC\_PASSWORD=dddev  ulimits:  memlock:  soft: -1  hard: -1  networks:  - logServer  es03:  image: docker.elastic.co/elasticsearch/elasticsearch:7.10.0  container\_name: es03  volumes:  - /var/lib/logServer\_elasticsearch2:/var/lib/elasticsearch  environment:  - node.name=es03  - cluster.name=es-docker-cluster  - discovery.seed\_hosts=es01,es02  - cluster.initial\_master\_nodes=es01,es02,es03  - bootstrap.memory\_lock=true  - "ES\_JAVA\_OPTS=-Xms512m -Xmx512m"  - ELASTIC\_USERNAME=dddev  - ELASTIC\_PASSWORD=dddev  ulimits:  memlock:  soft: -1  hard: -1  networks:  - logServer    kibana:  image: kibana:7.10.1  environment:  - ELASTICSEARCH\_UTL=http://k9d103a.p.ssafy.io:9200  - ELASTICSEARCH\_HOSTS=http://k9d103a.p.ssafy.io:9200  - ELASTICSEARCH\_USERNAME=dddev  - ELASTICSEARCH\_PASSWORD=dddev  ports:  - 5601:5601  networks:  - logServer    networks:  logServer:  external: true |

**4. 주요 접속 계정**

(1) DB

ID : dddev

PW : dddev