**nginx 설정**

user www-data;

worker\_processes auto;

error\_log /var/log/nginx/error.log;

pid /run/nginx.pid;

events {

worker\_connections 768;

}

http {

include /etc/nginx/mime.types;

default\_type application/octet-stream;

log\_format main '$remote\_addr - $remote\_user [$time\_local] "$request" '

'$status $body\_bytes\_sent "$http\_referer" '

'"$http\_user\_agent" "$http\_x\_forwarded\_for"';

access\_log /var/log/nginx/access.log main;

sendfile on;

keepalive\_timeout 65;

upstream backend {

server k7b302.p.ssafy.io:8080;

}

#upstream frontend {

# server k7b302.p.ssafy.io:3000;

#}

server {

listen 80;

root /var/www/html;

index index.html index.htm index.nginx-debian.html;

server\_name k7b302.p.ssafy.io;

server\_tokens off;

location /api {

proxy\_pass <http://backend>;

proxy\_set\_header X-Real-IP $remote\_addr; # 실제 접속 IP

proxy\_set\_header X-Forwarded-For $proxy\_add\_x\_forwarded\_for;

proxy\_set\_header Host $http\_host;

}

location / {

root /home/ubuntu/S07P31B302/kkalong\_fe/build;

index index.html index.htm;

try\_files $uri /index.html;

}

}

}

**소셜 로그인 oauth2 설정**

# 카카오 Developers

1. 깔롱 어플리케이션 생성

2. Web 플랫폼 등록 후 사이트 도메인 설정

- <http://k7b302.p.ssafy.io:8080>

- <http://localhost:8080>

3. 카카오 로그인 설정 ON, 활성화 설정 ON, OpenID Connect 활성화 설정 ON

4. Redirect URI 설정

- <http://k7b302.p.ssafy.io:8080/api/v1/login/oauth2/code/kakao>

- <http://localhost:8080/api/v1/login/oauth2/code/kakao>

5. 카카오 로그인 동의항목 카카오 계정 - 선택 동의 설정

# 구글 클라우드 개발자 콘솔

1. 깔롱 프로젝트 생성

2. 사용자 인증 정보에서 Oauth2 클라이언트 생성

2. 승인된 리다이렉션 URI 설정

- <http://k7b302.p.ssafy.io:8080/api/v1/login/oauth2/code/google>

- <http://localhost:8080/api/v1/login/oauth2/code/google>

**Firebase Storage 설정**

# Firebase Storage 사이트 접속

1. kkalong 프로젝트 추가

2. 다음의 규칙 적용

rules\_version = '2'; service firebase.storage { match /b/{bucket}/o { match /{allPaths=\*\*} { allow read; allow write; } } }

3. CORS 설정

cors.json

[ { "origin": ["\*"], "method": ["GET"], "maxAgeSeconds": 3600 } ]

cors.json을 저장 후

터미널에서 아래 명령어 실행

gsutil cors set cors.json gs://kkalong-b4cec.appspot.com/

**배포 프로세스**

# 서버 접속

login as : ubuntu

# git pull 받기

cd S07P31B302

git pull origin master

ssafygit 아이디 입력

ssafygit 비밀번호 입력

# front build 하기

cd kkalong\_fe

# 혹시 npm 추가된게 있다면 => npm install

npm run build => build 완료

# backend build하기

cd S07P31B302/Kkalong\_BE

chmod +x gradlew

./gradlew build -debug

# 배포하기

cd S07P31B302/Kkalong\_BE/build/libs

java -jar kkalong-0.0.1-SNAPSHOT.jar => 실행 현황 눈으로 볼 수 있음

nohup java -jar kkalong-0.0.1-SNAPSHOT.jar & => 백그라운드 실행, nohup.out 파일이 생기는데 이 파일에 해당 jar파일들의 출력이 저장됨

# nohup.out 확인

cd S07P31B302/Kkalong\_BE/build/libs

cat nohup.out

# 잘 실행 중인지 확인하기

ps -al

또는

ps -ef | grep java

# 지금 실행 중인 것 종료하고 싶을 때

ps -ef | grep java 후 죽이고 싶은 프로세스 pid를 확인

kill -9 [PID번호]

#FastAPI 실행

uvicorn main:app --reload --host=0.0.0.0 --port=8000

**VITON-HD 모델**

## VITON-HD 모델

VITON-HD (<https://github.com/shadow2496/VITON-HD>)

## 데이터 전처리 ##

# cloth-mask

CarveKit (<https://github.com/OPHoperHPO/image-background-remove-tool>)

# image-parse

pre-trained human parsing network (<https://github.com/Engineering-Course/CIHP\_PGN>)

2D-Human-Parsing (<https://github.com/fyviezhao/2D-Human-Parsing>)

# openpose-img & openpose-json

OpenPose 라이브러리 (<https://github.com/CMU-Perceptual-Computing-Lab/openpose>)

**서버 설정(pip freeze 결과)**

absl-py==1.3.0

anyio==3.6.2

astunparse==1.6.3

attrs==19.3.0

Automat==0.8.0

blinker==1.4

cachetools==5.2.0

certifi==2019.11.28

chardet==3.0.4

charset-normalizer==2.1.1

Click==7.0

cloud-init==22.3.4

cmake==3.24.3

colorama==0.4.3

colormath==3.0.0

colorthief==0.2.1

command-not-found==0.3

configobj==5.0.6

constantly==15.1.0

contourpy==1.0.6

cryptography==2.8

cupshelpers==1.0

cycler==0.11.0

dbus-python==1.2.16

defer==1.0.6

distro==1.4.0

distro-info===0.23ubuntu1

dlib==19.24.0

ec2-hibinit-agent==1.0.0

entrypoints==0.3

fastapi==0.87.0

flatbuffers==22.10.26

fonttools==4.38.0

gast==0.4.0

gcloud==0.18.3

google-auth==2.14.1

google-auth-oauthlib==0.4.6

google-pasta==0.2.0

googleapis-common-protos==1.56.4

greenlet==2.0.1

grpcio==1.50.0

h11==0.14.0

h5py==3.7.0

hibagent==1.0.1

httplib2==0.14.0

httptools==0.1.2

hyperlink==19.0.0

idna==2.8

imageio==2.22.4

importlib-metadata==5.0.0

imutils==0.5.4

incremental==16.10.1

Jinja2==2.10.1

joblib==1.2.0

jsonpatch==1.22

jsonpointer==2.0

jsonschema==3.2.0

jws==0.1.3

keras==2.11.0

keyring==18.0.1

kiwisolver==1.4.4

language-selector==0.1

launchpadlib==1.10.13

lazr.restfulclient==0.14.2

lazr.uri==1.0.3

libclang==14.0.6

macaroonbakery==1.3.1

Markdown==3.4.1

MarkupSafe==2.1.1

matplotlib==3.6.2

more-itertools==4.2.0

netifaces==0.10.4

networkx==2.8.8

numpy==1.23.4

oauth2client==4.1.3

oauthlib==3.1.0

opencv-python==4.5.5.64

opt-einsum==3.3.0

packaging==21.3

pandas==1.5.1

pexpect==4.6.0

Pillow==9.3.0

protobuf==3.19.6

pyasn1==0.4.2

pyasn1-modules==0.2.1

pycairo==1.16.2

pycryptodome==3.15.0

pycups==1.9.73

pydantic==1.10.2

PyGObject==3.36.0

PyHamcrest==1.9.0

PyJWT==1.7.1

pymacaroons==0.13.0

PyMySQL==1.0.2

PyNaCl==1.3.0

pyOpenSSL==19.0.0

pyparsing==3.0.9

Pyrebase==3.0.27

Pyrebase4==4.5.0

pyRFC3339==1.1

pyrsistent==0.15.5

pyserial==3.4

python-apt==2.0.0+ubuntu0.20.4.8

python-dateutil==2.8.2

python-debian===0.1.36ubuntu1

python-dotenv==0.21.0

python-jwt==2.0.1

pytz==2022.6

PyWavelets==1.4.1

PyYAML==5.3.1

requests==2.28.1

requests-oauthlib==1.3.1

requests-toolbelt==0.10.1

requests-unixsocket==0.2.0

rsa==4.9

scikit-image==0.19.3

scikit-learn==1.1.3

scipy==1.9.3

screen-resolution-extra==0.0.0

SecretStorage==2.3.1

service-identity==18.1.0

simplejson==3.16.0

six==1.14.0

sniffio==1.3.0

sos==4.4

SQLAlchemy==1.4.44

ssh-import-id==5.10

starlette==0.21.0

systemd-python==234

tensorboard==2.11.0

tensorboard-data-server==0.6.1

tensorboard-plugin-wit==1.8.1

tensorflow==2.11.0

tensorflow-estimator==2.11.0

tensorflow-io-gcs-filesystem==0.27.0

termcolor==2.1.0

threadpoolctl==3.1.0

tifffile==2022.10.10

torch==1.11.0+cpu

torchaudio==0.11.0+cpu

torchvision==0.12.0+cpu

tqdm==4.64.1

Twisted==18.9.0

typing\_extensions==4.4.0

ubuntu-advantage-tools==27.11.2

ubuntu-drivers-common==0.0.0

ufw==0.36

unattended-upgrades==0.1

urllib3==1.25.8

uvicorn==0.19.0

uvloop==0.17.0

wadllib==1.3.3

watchfiles==0.18.1

websockets==10.4

Werkzeug==2.2.2

wrapt==1.14.1

wsproto==0.15.0

xkit==0.0.0

zipp==1.0.0

zope.interface==4.7.1