

# CHUNG HWAN HAN

## MLOps Engineer

📍 Seoul, Korea

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🌐 Chung Hwan Han

## EDUCATION

### Korea University

BSC IN INFORMATION SECURITY

- Major in Software Engineering and Security and in Network
- 4.02 GPA

Seoul, Korea  
03/2019 - 08/2023

## WORK EXPERIENCE

### Corca, Inc.

MLOPS ENGINEER

- Took charge of MLOps related works at the company which offers AI solution for various clients.
- Built pipelines for data processing, continuous integration, deployment and training.
- Designed and developed language-neutral ML Model server with high-performance by using gRPC and protobuf.
- Developed the high-capacity gRPC API server with Go Gin and HTTP API server with Nest.js, successfully handled 60 ~100k requests per minute.
- Managed infrastructure with Pulumi.

Seoul, Korea  
07/2021 - today

### Pangea, Inc.

BACKEND DEVELOPER

- Developed and deployed the LINE Blockchain based NFT marketplace based on K-Pop idol contents. (<https://momentofartist.com>)
- RESTful API with Nest.js.
- Web frontend with React, Next.js, redux-saga.
- Co-operated with senior developers who worked at the Google, Kakao, etc.
- Managed devOps related works to serve stably for over 15K users.
- AWS ECS, AWS ElastiCache, MongoDB Atlas, CloudFlare, etc.

Seoul, Korea  
10/2021 - 12/2021

### Mars Green

BLOCKCHAIN DEVELOPER

- Developed Smart Contract and web backend for the ethereum based NFT gallery 'Mars Green' (<https://marsgreen.co>).
- Wrote Smart Contract with Solidity and web backend with express.js and ethers.js.
- Connected the Smart Contract and the web server to make continuous tracking and managing through the web site possible.
- Deployed and maintained the service with AWS ECS Fargate.
- Built the CI/CD pipeline with AWS CodePipeline.

Seoul, Korea  
07/2021 - 09/2021

### CodeWings, Inc.

WEB FULL STACK DEVELOPER

- Developed, deployed and maintained the algorithm education platform web service.
- Designed a well-organized REST API with Django RESTful Framework.
- Connected micro-service to each other with gRPC and socket.io.
- Improved frontend of the site to be more interactive and intuitive with Next.js and redux.
- Deployed reliable, efficient and effective server system with AWS ECS Fargate and EC2.

Seoul, Korea  
12/2020 - 07/2021

## EXTRA-CURRICULAR ACTIVITIES

### DevKor

EXECUTIVE MEMBER

- Lectured about web backend developing at software development society of KU, DevKor, for students of KU in various of major.
- Held an Hackathon for students of Korea University, sponsored by 6 companies including AWS and Naver D2.
- Developed and managed the platform for the event. (<https://devk.or.kr>)

Seoul, Korea  
02/2021 - 02/2022



## ABOUT ME

MLOps Engineer, Software developer, and Blockchain developer.

## LANGUAGES

**English** • Fluent (C1 Certificate)

**Korean** • Mother tongue

## STACKS

### Python

- Django, Flask, Airflow, Pandas

### Go

- Protobuf, gRPC, Gin

### Typescript

- Nest.js, express.js, ethers.js

### React

- Next.js, Redux-saga, Recoil

### Solidity

- Hardhat, Alchemy

### Docker

- docker-compose, kubernetes

### Pulumi

- AWS

### AWS

- EC2, ECS, CodePipeline, CloudWatch

### GCP

- BigQuery

## CyKor

EXECUTIVE MEMBER

Seoul, Korea

09/2019 - 12/2020

- Participated many hacking competitions such as DEFCON, CODEGATE, zer0pts as a member of the hacking team, CyKor.
- Lectured about web security and hacking techniques at cyber security society of KU, CyKor, for students of Department of Cyber Security.
- Held a CTF for students of Korea University as a member of the team 'CyKor'. More than a hundred of competitor participated.
- Developed a platform for the competition. Served and managed tens of challenges made by me and my teammates with docker and three On-premise linux machines

## Contract Research Project

PENETRATION TESTER

Seoul, Korea

12/2020 - 07/2021

- As a contract research project which has assigned to department of Cyber Security of Korea University.
- Found several vulnerabilities and exploits including Stored XSS, Information disclosure, open redirect, etc at one of Korea's largest game companies' web services.

## HONORS

2020    **8th Place**, DEFCON#28 CTF  
2020    **6th Place**, CODEGATE2020 CTF

Online

Online