



KIM YONGHYUN

WEB DEVELOPER

BRIEF INTRODUCTION

I am Kim Yong-hyun walking the roadmap of DevOps Engineer. Currently, I am in charge of front-end, back-end, and infrastructure construction and operation.

CORE COMPETENCIES

DevOps

- Build and operate service infrastructure based on the AWS cloud platform
 - 2021.01 ~ Operating until now
 - 4 services in operation
- On-Premise development server construction and operation
 - 2019.06 ~ Operating until now
- Reverse Proxy Server construction and operation
- IwinV domestic cloud platform-based service infrastructure construction and operation
 - 2019.06 ~ Operating until now
 - Cloud Virtual Server / Bare Metal Server / Object Storage
- Build and operate GitLab with on-premise structure
 - 2019.06 ~ Operating until now
 - GitLab-based CI & CD construction and operation
 - GitLab-based Docker registry construction and operation

Front-end development

- Developed with VueJS, mvvm framework
- Building and developing frontend with NuxtJS for server-side rendering
- Using webpack and babel for source bundling and optimization

Backend development

- Develop resutful api with spring, django, expressjs
- Development and operation of monitoring service using web socket

CAREER

(Corporation) OPENMATE (2016.11 ~ In office)

Operation Business Team / Senior Researcher

EDUCATION

Sungkyunkwan University Graduate School[Seoul]

Master of Information Security degree(Grades: 4.17 / 4.5) |
2016.03 ~ 2018.08

Korea Polytechnic University[Gyeonggi]

Bachelor's degree in computer engineering (Grades: 3.97 / 4.5)
| 2014.03 ~ 2016.02

CONTACT DETAIL

📍 (07677) 26-11, Kkachisan-ro 14-gil, Gangseo-gu, Seoul, Republic of Korea

☎ 82+10-2763-9988

✉ cdfgogo0615@naver.com

💻 <https://github.com/Hulkong>

SERVICE IN OPERATION

Data-On(<https://data-on.co.kr>)
Smart-On(<https://smart-on.co.kr>)
Trend-On(<https://trend-on.co.kr>)
Safe-On(<https://safe-on.co.kr>)

SKILLS

- AWS Service(ECS, EC2, RDS, ALB, CodeSeries, Route53, CloudFront, S3, SQS)
- Docker(Docker-Compose, Swarm)
- Kubernetes
- Linux(bash, sh)
- Security
- Network
- dJango
- ExpressJS
- Spring Framework
- RDB(mariaDB, postgresQL)
- NuxtJS(VueJS)
- Javascript(ES3, ES5, ES6+)
- HTML5, CSS3

WORK EXPERIENCE

Trend on service regular monthly update batch program production and scheduling application

Progress period: 2021.05 ~ Proceeding

Main Content: Automatic monthly update and scheduling of NICE and KT data in test and operation database

Number of participants in the project: 1 person(Me)

Position(Contribution): development(100%), infrastructure(100%)

Contribution: Data update automation

Skills used: docker, python, celery, SQS, ECS, CodeBuild, CodePipeline, SNS, postgresSQL

Result: Monthly automatic update of test and operation database of NICE and KT data

Container-based Geoserver construction

Progress Period: 2021.05 ~ 2021.05

Main Content: Change the existing installation type Geoserver to container-based

Number of Participants in the project: 1 person(Me)

Position(Contribution): In charge of infrastructure(100%)

Contribution: change for container-based maintenance

Skills used: docker, ECS, ECR

Result: Geoserver(<https://dev.openmate-on.com:8002/geoserver/>)

Apply data crawling program scheduling

Progress Period: 2021.05 ~ 2021.05

Main Content: Apply scheduling to the program for collecting corona data of SmartOn service and push a message to the Slack channel when an error occurs

Number of Participants in the project: 1 person(Me)

Position(Contribution): development(100%), infrastructure(100%)

Contribution: Scheduling is applied to a program for collecting corona data from SmartOn service.

Skills used: docker, docker-compose, python, celery, SQS, ECS, CodeBuild, CodePipeline, SNS

Result: Crawl data periodically at 9:00, 12:00, 18:00, 22:00

Transfer of Safe-On service to AWS

Progress period: 2021.04 ~ 2021.04

Main Content: Safe-On service transferred to AWS

Number of participants in the project: 1 person(Me)

Position(Contribution): In charge of infrastructure(100%)

Contribution: Safe-on service infrastructure design and transfer to AWS

Skills used: IAM, Route53, CloudFront, ACM, S3, ALB, ECS(EC2 based), ECR, CodeCommit, CodeBuild, CodeDeploy, CodePipeline, RDS

Result: Safe-On(<https://safe-on.co.kr>)

Transfer of Trend-On service to AWS

Progress Period: 2021.04 ~ 2021.04

Main Content: Trend-On service transferred to AWS

Number of Participants in the project: 1 person(Me)

Position(Contribution): In charge of infrastructure(100%)

Contribution: Safe-on service infrastructure design and transfer to AWS

Skills used: IAM, Route53, CloudFront, ACM, S3, ALB, ECS(EC2 based), ECR, CodeCommit, CodeBuild, CodeDeploy, CodePipeline, RDS

Result: Trend-On(<https://trend-on.co.kr>)

Transfer of Data-On service to AWS

Progress Period: 2021.03 ~ 2021.03

Main Content: Data-On service transferred to AWS

Number of Participants in the project: 1 person(Me)

Position(Contribution): In charge of infrastructure(100%)

Contribution: Safe-on service infrastructure design and transfer to AWS

Skills used: IAM, Route53, CloudFront, ACM, S3, ALB, ECS(EC2 based), ECR, CodeCommit, CodeBuild, CodeDeploy, CodePipeline, RDS, SQS

Result: Data-On(<https://data-on.co.kr>)

Transfer of homepage and Smart-On service to aws

Progress Period: 2021.02 ~ 2021.02

Main Content: Trend-On service transferred to AWS

Number of Participants in the project: 1 person(Me)

Position(Contribution): In charge of infrastructure(100%)

Contribution: Safe-on service infrastructure design and transfer to AWS

Skills used: IAM, Route53, CloudFront, ACM, S3, ALB, ECS(EC2 based), ECR, CodeCommit, CodeBuild, CodeDeploy, CodePipeline, RDS

Result:

Openmate-On(<https://openmate-on.co.kr>)

Smart-On(<https://smart-on.co.kr>)

New service development / infrastructure construction

Progress Period: 2020.10 ~ 2020.12

Main Content: A data platform that anyone can easily find and use based on public data

Number of Participants in the project: 8 people

Position(Contribution rate): Frontend(40%), Infra(100%), Maintenance(25%)

Contribution: Frontend development, AWS PaaS-based infrastructure construction, Development of large data API

Skills used: ECS(EC2 based), RDS, Route53, CloudFront, S3, ELB, IAM, VPC, NuxtJS, Javascript, HTML, CSS, GitLab Ci & CD, dJango, MongoDB

Result: Data-On(<https://data-on.co.kr>)

Service renewal

Progress Period: 2020.06 ~ 2020.09

Main Content: Service Advancement

Number of Participants in the project: 2 people

Position(Contribution rate): Frontend(100%), Database(100%), Maintenance(50%)

Contribution: Frontend development, Data update

Skills used: HTML, Javascript(es3), JQuery, CSS, D3, postgresSQL, Docker

Result: Trend-On(<https://trend-on.co.kr>)

Homepage renewal

Progress Period: 2020.05 ~ 2020.06

Main Content: Homepage renewal

Number of Participants in the project: 2 people

Position(Contribution rate): Frontend(100%), Infra(100%), Maintenance(100%)

Contribution: Frontend development, AWS IaaS-based infrastructure construction, Apply SPA model, Mobile support, Apply SSL

Skills used: HTML5, Javascript(es5+), JQuery, CSS3

Result: Homepage(<https://openmate-on.co.kr>)

4.15 General election page development

Progress Period: 2020.04 ~ 2020.04

Main Content: 4.15 Service for providing information on candidates for the relevant district for general election

Number of Participants in the project: 3 people

Position(Contribution rate): Frontend(50%), Maintenance(50%)

Contribution: Frontend development, Apply SSL, Apply Google Analytics, Mobile support

Skills used: VueJS, Javascript(es5+), LeafletJS, D3

Result: Smart-On(<https://smart-on.co.kr>, Checkable on mobile)

Maintenance

Progress Period: 2020.02 ~ 2020.03

Main Content: Internal service monthly periodic data update, Web application maintenance

Number of Participants in the project: 2 people

Position(Contribution rate): Backend(50%), Frontend(50%), Database(50%), Infra(100%), Maintenance(50%)

Contribution: Data update, Data dump program development

Skills used: postgresSQL, Docker, Spring, Mybatis, JSP, JSTL, HTML, CSS, Javascript(es3)

Construction of a new service infrastructure environment

Progress Period: 2019.10 ~ 2020.01

Main Content: Development and operation service infrastructure environment construction

Number of Participants in the project: 1 person

Position(Contribution rate): Infra(100%), Maintenance(100%)

Contribution: AWS IaaS-based infrastructure construction, GitLab construction, Reverse Proxy Server construction, On-premise Infra construction(Test purpose), Private Docker Repository construction

Skills used: Docker, NginX, Apache

Result: GitLab(<https://git.openmate-on.co.kr>), Synchronization of development & operation infrastructure

New Service development

Progress Period: 2019.10 ~ 2020.01

Main Content: Urban analysis service that diagnoses and prescribes with big data & artificial intelligence based on public data

Number of Participants in the project: 6 people

Position(Contribution rate): Frontend(100%), Infra(100%), Maintenance(50%)

Contribution: Frontend development, AWS IaaS-based infrastructure construction, Apply SSL

Skills used: VueJS, Javascript(es5+), HTML, CSS, Vuetify

Result: Smart-On(<https://smart-on.co.kr>)

Temporary homepage development

Progress Period: 2019.08 ~ 2019.09

Main Content: Temporary homepage development

Number of Participants in the project: 1 person

Position(Contribution rate): Frontend(100%), Backend(100%), Maintenance(100%)

Contribution: Frontend development, Backend development, Mailing logic applied, Apply SSL

Skills used: HTML, Javascript, JQuery, CSS, Bootstrap, PHP

Enhancement of internal service

Progress Period: 2019.06 ~ 2019.07

Main Content: Administrator logic change

Number of Participants in the project: 1 person

Position(Contribution rate): Frontend(100%), Backend(100%), Database(100%), Maintenance(50%)

Contribution: Frontend development, Backend development, Apply SPA model, apply restful api

Skills used: HTML, Javascript, CSS, JQuery, Spring, Mybatis, PostgreSQL

Result: Increased user convenience for service managers on the UI

Maintenance

Progress Period: 2017.04 ~ 2019.05

Main Content: Public company/private company/internal service maintenance contracted with the company, Data update

Number of Participants in the project: 8 people

Position(Contribution rate): Frontend(50%), Backend(50%), Infra(10%)

Contribution: Frontend Maintenance, Backend Maintenance, Build a small app infrastructure

Skills used: HTML, CSS, Javascript, JQuery, Spring

Result: Maintenance(E-Land, JTI, BBQ, National Information Resource Management Agency, AMOREPACIFIC, HITEJINRO, JoongAng Ilbo, Seoul Credit Guarantee Foundation)

Service monitoring server development

Progress Period: 2018.11 ~ 2018.11

Main Content: Monitoring of all running services

Number of Participants in the project: 1 person

Position(Contribution rate): Frontend(100%), Backend(100%), Maintenance(100%)

Contribution: Frontend development, Backend development

Skills used: ExpressJS, Javascript, HTML, Bootstrap

Result: Shortened response time by changing from passive response to real-time response

Log data loading API development

Progress Period: 2018.05 ~ 2018.06

Main Content: Real-time loading of address refining log data

Number of Participants in the project: 1 person

Position(Contribution rate): Frontend(100%), Backend(100%), Maintenance(100%)

Contribution: Frontend development, Backend development

Skills used: Spring, Javascript, HTML

Result: Solution delivery(National Information Resource Management Agency)

Internal service restful api server development

Progress Period: 2018.03 ~ 2018.05

Main Content: Providing data based on Restful API

Number of Participants in the project: 1 person

Position(Contribution rate): Backend(100%), Maintenance(100%)

Contribution: Backend development

Skills used: Spring, Mybatis, postgresQL

Result: Delivery of internal service site data(Daejeon Marketing Corporation)

Web Map Service(WMS) solution development

Progress Period: 2016.11 ~ 2017.03

Main Content: Web Map Service(WMS) solution production

Number of Participants in the project: 5 people

Position(Contribution rate): Frontend(10%)

Contribution: Frontend development, Server resource monitoring page production, API documentation page production

Skills used: HTML, CSS, Javascript, JQuery