

Taeyoung Kwak

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Education

Kookmin University, Seoul, Republic of Korea
BS in Computer Science

Feb 2020

Work Experience

PayHere | Software Engineer, Seoul, Republic of Korea

Oct 2021 - Present

Go(gin), Python(Django), MongoDB, MySQL

Notification Service: a messaging platform managing all messages used in the POS

- Implemented SMS/LMS, Push, Websocket(Pusher), message sending and history management service
- Refactored based on hexagonal architecture
- Applied unit/integrated tests and enhanced coverage from 0 to over 85%

Booking Service: a mobile POS app that provides all-in-one booking, payment, and customer management

- Implemented booking service through POS, [Online Store](#)(B2C booking platform)
- Integrated PayHere's booking service with Naver Smart Place(3rd party booking service)

Awair | Software Engineer, Seoul, Republic of Korea

Nov 2020 - Mar 2021

Go(go-restful, gorilla), Postgres

Awair Dashboard ([Awair Dashboard](#)): an indoor air quality displaying & sharing service

- Implemented gRPC/REST API based backend/API services for display client
- Implemented a backend for URL sharing of display client

Awair Account ([Account Service](#))

- Implemented an OAuth2.0 based account service and integrated previously fragmented system
- Refactored legacy codes based on domain-driven design

Project Experience

MeetAtMid | Software Engineer, Project Management

Mar 2019 - Jun 2019

JavaScript, Python(Selenium, BeautifulSoup) / Node.js(Express, GraphQL, Axios, Mongoose) / MongoDB

- Implemented a web app to recommend optimal places with traffic information for a meeting that all participants can easily accept.
- Responsible for developing backend and data crawler for updating candidate place database and managing the team and project
- Crawled over 300,000 postings for the place database from SNS and produced over 1,000 hits in a month.

ClubRadio | Software Engineer

Sep 2019 - Dec 2019

Python, JavaScript, MySQL / Django / AWS(EC2, S3, CloudFront, Route53, SES, SNS, Lambda) / React

- Implemented a club event discovery web platform providing the most relevant information to make decisions quick and easy
- Responsible for developing the overall backend including subscription service and configuring AWS

Skills

Programming: Go(Intermediate), Python3(Intermediate), JavaScript(Intermediate), Java(Intermediate)

Language: Korean(Native), English(Intermediate)

Others: Git, AWS, Docker, Jira, Slack

Research Experience

HCI Laboratory | Kookmin University (Seoul, Republic of Korea)

Sep 2019 - Dec 2019

Undergraduate Research (Advisor: Prof. Sangmin Yoon)

- Participated in projects on super-resolution using deep learning
- Researched super-resolution by decomposing a low-resolution image into two frequencies, enhancing them respectively, and integrating them into one high-resolution image