

# Kevin Park

BACKEND ENGINEER · DEVOPS ENGINEER

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## Summary

I'm a software developer specializing in Go and Java-based web server application development, K8s and AWS-based backend architecture design and infrastructure deployment, and JS and TS-based web application prototyping.

I'm also an open source maintainer of Yorkie and a member of Kubernetes and Istio, and have many other open source activities.

I'm interested in server-related topics such as backend, DevOps, infrastructure, distributed systems, and architecture, and I love to share my knowledge through contributing and mentoring.

## Experience

### KarrotPay Inc.

Seoul, S.Korea

DEVOPS ENGINEER (INTERN)

Jun. 2023 - Oct. 2023

- Developed internal tools to improve developer productivity and engineering efficiency in KarrotPay.
- Designed and performed performance test on new service and existing services in KarrotPay.
- Participated in several DevOps/SRE tasks on network, cloud, orchestration domain.

### NAVER Corp.

Seoul, S.Korea

SOFTWARE ENGINEER (FREELANCE)

Feb. 2023 - Jun. 2023

- Designed Sharded Cluster Mode for Yorkie, a open source document store for building collaborative editing applications.
- Built Yorkie Sharded Cluster Mode on Kubernetes with Istio, and packaged with Helm Chart.
- Rebuilt Yorkie SaaS devops system with Terraform, ArgoCD, Prometheus, Grafana, and Loki.
- Implemented yorkie.tree CRDT structure in Go SDK.
- Implemented several features and optimizations in Yorkie server.

### Open Frontier (National IT Industry Promotion Agency)

Seoul, S.Korea

2023 OPEN FRONTIER DEVELOPER & MENTOR

Mar. 2023 - Nov. 2023

- Participated in 2023 Open Frontier as a developer of Yorkie project.
- Participated in 2023 Opensource Playground as a mentor of Yorkie project.

### S/W Maestro (Institute of ICT Planning & Evaluation)

Seoul, S.Korea

SOFTWARE ENGINEER

Mar. 2022 - Nov. 2022

- Planned and developed Asyncrum, a remote collaborate tool with real-time collaboration whiteboard and daily video logs.
- Developed overall software developing process and architecture for Asyncrum.
- Designed entire backend architecture and built AWS infrastructure.
- Built Asyncrum backend CI/CD pipeline with Jenkins and ArgoCD.
- Prototyped and implemented real-time collaboration whiteboard with tldraw and Yorkie.

### PH2Y (Sejong University)

Seoul, S.Korea

SOFTWARE ENGINEER

Jul. 2021 - Jun. 2022

- Planned and developed Bulter's Note, a map based pet related information platform service on Android.
- Optimized backend image processing service with imgscalr, a Java image scaling-library.
- Implemented video streaming service using HTTP range request.

## Extracurricular Activity

## Yorkie

Yorkie Team

### MAINTAINER

Mar. 2023 -

- Yorkie is an open source document store for building collaborative editing applications.
- Maintainer, developer, and mentor for the Yorkie project.
- Designed and developed the Yorkie Sharded Cluster Mode.
- Built Yorkie SaaS infrastructure environment.
- Improved RPC protocol of Yorkie server and client.
- Improved and stabilized the performance of the Yorkie server.
- Developed a Yorkie real-time collaborative whiteboard example.
- Suggested features, optimizations, issues, etc. for the Yorkie project as a whole.

## Kubernetes

kubernetes-sig-docs

### MEMBER

Apr. 2023 -

- Kubernetes is an open source system for managing containerized applications across multiple hosts.
- Participated in kubernetes-sig-docs project as a Korean localization team member.
- Translated and updated various documents related to Kubernetes in Korean.

## Istio

Istio Community

### MEMBER

Apr. 2023 -

- Istio is an open source service mesh that layers transparently onto existing distributed applications.
- Participated in Istio project as a community member.
- Updated documentation related to gRPC probe health checking.

## Education

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### Sejong University

Seoul, S.Korea

#### B.S. IN COMPUTER SCIENCE AND ENGINEERING

Mar. 2018 -

- Current major GPA 3.93 (4rd Year)