

Kevin Park

BACKEND ENGINEER · DEVOPS ENGINEER

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Summary

I'm a backend/devops developer interested in distributed systems, system design, infrastructure, and cloud native.

I'm also an open source maintainer of Yorkie and a member of Kubernetes and Istio. I'm looking forward to contributing to more open source projects.

I love to optimize and organize many things, both my lifestyle and my development. I also love to share my knowledge and skills with the world through mentoring and contributing.

Experience

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.

KarrotPay Inc. (Intern)

Seoul, S.Korea

DEVOPS ENGINEER

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. (Contract)

Seoul, S.Korea

BACKEND ENGINEER

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.

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.
- Participated in Yorkie project as a maintainer and mentor.
- Proposed various features, optimization, and issues in various Yorkie repositories.

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

Sejong University

Seoul, S.Korea

B.S. IN COMPUTER SCIENCE AND ENGINEERING

Mar. 2018 -

- Current major GPA 4.24 (3rd Year)