

Dev Experiences

Republic of Korea Army Headquarters

Feb 2022 - Aug 2023

Software Engineer

- Currently serving military service as a software engineer
- Maintained web application server composed of eGovFramework(Spring-based)
- **Fixed security issues** such as XSS, SQL Injection, path traversal, and web shell
- **Refactored legacy code** - restructured MVC structure, vertical partitioning

Software Maestro 12th

April 2021 - Dec 2021

Backend & DevOps
Developer

- Contacted 20 companies for partnership contract
- **Validated demand** through meeting with Kakao entertainment and 3 others
- Signed **MOUs** with XingXingMobility and Snack24

Projects

Bizkicks - B2B integrated shared kickboard service

April 2021 - Dec 2021

Backend & DevOps

Business B2B

@Software Maestro 12th

- **Tech Stack** | spring boot, JPA, mysql, redis, JWT, docker, jenkins, k8s, GCP, gitlab
 - Implemented the API (kickboard location, notification, consumption feature)
 - Implemented **user authentication** with Spring Security and JWT
 - Configured **Jenkins CI pipeline** and deployed through GKE
 - Applied **Git Flow strategy**
- github.com/hyelie/SWM-Bizkicks-Backend

Meerkat - military secure chat application with end-to-end encryption

Oct 2022

Fullstack Developer

E2EE Realtime Chat

@2022 Osam

- **Tech stack** | react native, node.ts, express, typescript, docker, mariadb, github
 - Implemented the backend MVC structure and the API (friend, report, chat room)
 - Designed and implemented chatting structure
 - **Real-time chat** and offline handling using Socket.io
 - Real-time chat room list status, users who have read the messages
 - Devised how to apply **end-to-end encryption** to the application
 - Applied **GitHub Flow strategy** and rebase-merge strategy
- github.com/osamhack2022/APP_Meerkat_IQDan

Naver2Tistory - blog migration automation CLI tool for NAVER TO TISTORY

Sep 2022

Fullstack Developer

Open Source

- **Stack** | java, github
 - Inspected URL using regex, crawled and converted posts to HTML using JSoup
- github.com/hyelie/Naver2Tistory

Skills

- | | |
|-------------|---------------------------------------|
| • Front-end | HTML/CSS |
| • Back-end | Java, Spring Boot, MySQL |
| • Others | Git, Docker, GCP, Figma |
| • Language | Korean(native), English(intermediate) |

Education

POSTECH, Pohang University of Science and Technology

Feb 2018 - Aug 2024 (expected)

- Leave of absence, bachelor in computer science engineering, cumulative GPA 3.68/4.3 (93.8% percentile)

Achievements

NIPA prize

Awarded for project Meerkat at the 2022 OSAM hackathone

Oct 2022

Certificate

SQL Developer

Sep 2022

Certificate

Information processing engineer

Aug 2021

Participation prize

Awarded for project Pocarpool at the 2020 POSTECH UGRP

Feb 2021

Activites

Blog (hyelie.tistory.com)

July 2021 - present

- Write technical issues and what I learned

Naver boostcourse coding coach

Jan 2021 - Feb 2021, July 2021 - Aug 2021

- CS50(C/C++), PY4E(python), each 6 weeks

CHEERO, POSTECH cheerleading club

Feb 2018 - Oct 2020

- President of the club