

Il Sub Shin

신일섭

@ilsubyeega

Software Engineer

About

- <https://github.com/ilsubyeega>
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Skills

- Web development with TypeScript (SolidJS, SvelteKit), HTML/CSS
- Server/System-wide engineering with Rust (Axum), TypeScript, MariaDB/PostgreSQL
- System engineering and DevOps with NixOS, Linux, Docker, GitHub Actions

Interests

- Multi-platform software engineering using core module with Rust
- Fine-grained efficient state management in web frontends
- Linux desktop/gaming and tooling
- Large-codebase build systems and development workflows
- Efficient media encoding/rendering/playback pipelines

Experiences

Intermediate

Rust, TypeScript, Figma/CSS, Nix

Familiar

English, Git, Python, Kotlin, SQL

Basic

C/C++, Docker

Education

- KNUT / Computer Engineering (2023 - Present)
 - Korea National University of Transportation (한국국립교통대학교 컴퓨터공학과)
 - 78 credits finished out of 140 required for graduation. (49 major, 29 liberal arts). GPA: 3.82/4.5
 - Leave of absence since 2025 for health reasons.
- Information Processing Craftsman, 정보처리기능사 (2024.04.17)

Notable Works

More works can be found at my GitHub profile mentioned above. All projects with no mention of collaborators were done solely by me.

2021 log4j-rce-exploit Proof-of-concept for log4j2 RCE vulnerability. Written in Java/Node.js

2022.01 anissia-discord-bot TypeScript interactive serverless bot for Anissia third-party service.

2022.12 aoc2022 Advent of Code 2022 solutions in JavaScript. Completed solutions up to Day 1~9.

2023.09 kit-starter SvelteKit (TypeScript) + TailwindCSS + Storybook boilerplate template.

2023.12-2024.03 ssot-overlay Collaborated with a designer. Overlay via web technology for SSOT event, unofficial live tournament of rhythm game "osu!". Implemented 14 Screens/Scenes, real-time data/state sync via websocket, server written in Axum/Rust. Recorded 1820+ connected users during the event.

2024.03-Current sysconfig{-pub} NixOS system configuration of my personal laptop/desktop.

2025.03-Current SSFilm_Venue_Reservation Collaborated with frontend(as management ui) and infra/backend Engineer. Venue reservation system for SSFilm, a student film club at Soongsil University. Developed the main frontend using SvelteKit and deployed to Cloudflare. The backend uses AWS Lambda. Currently in maintenance mode/feature complete.