

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 by 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.
- Craftsman Information Processing, 정보처리기능사 (2024.04.17)

Notable Works

More works can be found at my GitHub profile mentioned above.

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. Written up to the 9th day.

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

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

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

2025.03-Current SSFilm_Venue_Reservation Venue reservation system for SSFilm, a student film club at Soongsil University. Participated as solo frontend development, written in SvelteKit and deployed to Cloudflare. Backend uses AWS Lambda. Currently under maintenance.