

# 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	Familiar	Basic
Rust, TypeScript, Figma/CSS, Nix	English, Git, Python, Kotlin, SQL	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.