

Nguyen The Kien

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I'm a fresher software engineer advocating for safe, modern programming languages like Rust and Go to replace C/C++ in new projects.

I maintain two public-source projects written in Rust and Nuxt, each with over 10k lines of code. I also work as the lead frontend engineer with an engineering team of five people for a private contractor, where I'm responsible for the frontend React codebase.

As a hobby, I maintain a home server and write desktop/web applications and automation tools in Go during my free time, all available on my GitHub page.

EDUCATION	University of Science and Technology of Hanoi Bachelor's Degree 3.0 GPA Information and Communication Technology	Hanoi, Vietnam 2021 - 2024
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TECHNICAL SKILLS	<ul style="list-style-type: none">• Languages: Go, Rust, JavaScript/TypeScript, Python, Java, Kotlin, C#, ...• Frameworks, libraries:<ul style="list-style-type: none">▸ Gin/Echo/Std (Go), Axum (Rust), Express.js (Nodejs), ...▸ Jetpack Compose (Android), React, Vue, Nuxt, React Native/Expo, ...▸ SQLite, PostgreSQL, MongoDB, ...• System Admin: Managing a Linux home server.• Tools: Linux, Git/CI/CD (GitHub), Docker/Podman, ...
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HIGHLIGHT PROJECTS	Artefact Decoder Creator, Maintainer	artefact.delnegend.com January 2025
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- A JPEG decoder focused on producing artifact-free images.
- Originally written in C, I re-implemented it in Rust and optimized it using SIMD and parallel processing, resulting in nearly three times faster performance.
- I also developed a progressive web app on top of it using the Nuxt framework, which can be used directly in the browser.

Pediatric Growth Platform Lead Frontend Engineer	kiness.vn August 2024 - <i>present</i>
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- A platform for connecting parents with pediatric and fitness trainers to help their children grow taller.
- Initially, we developed the platform in Expo/React Native to target Android, iOS, and web, later we migrated to React due to technical requirements and constraints.

Comic Media Server Creator, Maintainer	github.com/Liminova/yomuyume October 2023 - <i>present</i>
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- A self-hosted comic media server written in Rust that is highly optimized for performance.
- Originally came up as a group project for our university course, I'm now its sole maintainer.
- It's my motivation for learning and promoting the Rust programming language.