

Nguyen The Kien

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I'm a (fresher) software engineer advocating for the adoption of safe, modern, and fast programming languages like Rust and Go to replace C/C++, C#, Java,... in new projects where possible.

I develop and maintain various open-source projects, all available on my GitHub page and portfolio. I also served as the lead frontend engineer with a team of four engineers on a React codebase for a private contractor.

As a hobby, I maintain a Linux home server and continue to build desktop/web applications and automation tools to make my life easier.

EDUCATION	University of Science and Technology of Hanoi Bachelor's Degree in Information and Communication Technology	Hanoi, Vietnam 2021 - 2024
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, Nuxt (Vue), React Native/Expo, ...▸ SQLite, PostgreSQL, MongoDB, ...• System Admin: Managing a Linux home server.• Tools: Linux, Git/CI/CD (GitHub), Docker/Podman, ...	
HIGHLIGHT PROJECTS	Artefact Decoder Creator, Maintainer	artefact.delnegend.com January 2025
	<ul style="list-style-type: none">• 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 develop a progressive web application using the Nuxt (Vue) framework on top, ensuring it is accessible to everyone, including non-technical users.	
	Pediatric Growth Platform Lead Frontend Engineer	kiness.vn August 2024 - <i>present</i>
	<ul style="list-style-type: none">• A platform for connecting parents with pediatric and fitness trainers to help their children grow taller.• The application is developed using React. I design the user experience, implement the logic, and build the CI/CD pipeline.	
	Comic Media Server Creator, Maintainer	github.com/Liminova/yomuyume October 2023 - <i>present</i>
	<ul style="list-style-type: none">• 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.	