Bang Nguyen Huu

Gifu, Japan

2023

TECHNICAL SKILLS

Programming Languages & Frameworks: Rust, C++, C#, GLSL, Typescript, Java, Kotlin, SQL, ReactiveX, React, Svelte, Tailwind, NestJS, Flutter, Axum, WebGPU, OpenGL

Tools & OS: Mac, Linux (Debian, Arch), Android, iOS, Docker, nginx, Redis, AWS, GCP

EXPERIENCE

 System Engineer NTQ Japan (Gifu, Japan) Built complex and performant embedded applications for buses and trains 	Aug. 2022 - Present
 Engineering Manager GoodCreate (Kagawa, Japan) Communicated with end clients to to build responsive feature-rich EC websites Built cross platform mobile applications and web backend written using Flutter, Node 	July 2020 - Aug. 2022 eJS, nginx
 C++ Engineer FPT Software (Hanoi, Vietnam) Developed performant and feature-rich embedded applications 	May 2019 - July 2019
 Game Programmer Gameloft (Hanoi, Vietnam) Mar. 2014 Developed, and optimized games for low-end mobile devices using C++, OpenGL, An Contributed in: Order and Chaos 2, Brothers in Arms 3, Ice Age Adventure, Shark Data 	
Notable Projects	
 Hi-ABT · Linux, Android, Java, C++, TCP/IP, Serial Built software system to manage bus fare. Worked with Java, C++, Linux, embedded Implemented remote software update mechanics. Handled complex communications be various connection strategies, including TCP, Serial, HTTP Customized Android OS boot procedure. Performed various fixes and maintained systemed and the systemed various fixes and maintained systemed and the systemed various fixes and maintained systemed various fixes and maint	etween many devices using
 Toxy · Flutter, NextJS, NestJS, Google Cloud, Fastlane, Github Actions Built an app offering coupons based on user's location. Powered by a scalable backend Reduce potential server cost by designing Microservice architecture and utilizing Dock about 40% running cost compared to legacy method Utilized API caching/UI hydration mechanic, resulting in highly snappy UX after first Built a fully automated CI pipeline with Fastlane and Github Actions. Done similar p 	t initial load
 AtCreator · Laravel, Fastlane, React Native, XCode CLI Developed an app making system using ReactNative, allowing users to build and public application with no technical prerequisite. Similar to Wix, but for mobile application Developed an automated app building system, using Fastlane, Nodejs, XCode 	July 2020 - July 2022 ish custom Android/iOS
 HKMC · Qt, Linux, Coverity, IVI, Embedded Built media playing application for automotive in-vehicle infortainment (IVI) system u Implemented lazy loading mechanic, handling thousands of song with small memory for Worked with large C++ code base. Utilized Coverity for static analysis 	•
 NSP64Bit · C++, Migration, Static Analysis Worked with C++, memory management, 64bit coding patterns in a large code base v Solo developed a static analyzer to help cutting about 90% of manual effort. Analyzed process structured content with Regular Expression 	
Education & Certifications	
Mizuno School of Foreign Language Japanese (Japan)	2019
Hung Yen University of Technology and Education BSc Software Engineerin	ng (Vietnam) 2014
Incentive Prize, Professional Division · National Olympiad of Informatics	2012

C++ Certified Professional Programmer \cdot C++ Institute