

Nguyen The Loc

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EDUCATION

Ho Chi Minh City University of Technology (HCMUT)

B.Eng in Computer Engineering (Advanced Program) — IoT & Network Security

Ho Chi Minh City, Vietnam

2019 – 2025

PROFESSIONAL EXPERIENCE

ST Engineering

Software Engineer — C2 Systems & Hardware Integration

Ho Chi Minh City, Vietnam

Jun 2025 – Present

Project: **Counter-Drone (C-UAS) Command & Control System**

- Built the operator console, a live 3D map in React and Cesium with Go (Echo) services behind it, letting operators detect, track, and classify drones in real time.
- Implemented C/C++ and Python device drivers for software-defined radios, RF sensors, radar, EO cameras, and jammers to turn raw sensor feeds into tracks on the operator's map.
- Developed a unified telemetry pipeline across REST, gRPC, and MQTT (SQLite) on the SAPIENT open interoperability standard, letting third-party sensors join without bespoke work.

Dision Tech LLC

Software Engineer

Ho Chi Minh City, Vietnam

May 2024 – Jun 2025

Project: **Multi-Tenant Endpoint Threat Detection & Response (EDR/XDR) Platform**

- Built the analyst console and desktop client in React, TypeScript, and Tauri against Go (Echo) services, surfacing endpoint vulnerabilities across customer tenants.
- Designed and built a plugin architecture and SDK from scratch for the React monorepo, letting each engineer build, own, and ship a feature module independently instead of coordinating through one shared codebase.
- Set up a centralised Strapi CMS letting the marketing team publish across several company websites without engineering involvement.

Turbo Technology Solution JSC

Software Engineer — Contractor

Ho Chi Minh Vietnam & US

Nov 2023 – Dec 2024

Project: **VAIDO AI Vision — Facial-Recognition Visitor Management System**

- Built the visitor management Frontend in Next.js and React Native with real-time check-in and visitor tracking, shipped to reception desks as an ElectronJS desktop application.
- Integrated a partner team's VAIDO AI Vision 7.0 facial-recognition engine into the product by building the Java and Spring Boot REST services between them.

Aura Group

Software Engineer

Ho Chi Minh City, Vietnam

Jan 2023 – Jan 2024

Project: **Aura ERP — Internal Booking & Revenue Management System**

- Contributed booking and revenue modules to the company ERP using Next.js, Node.js, and Supabase.
- Built an end-to-end Android POS booking app with React Native and Flutter, plus a Node.js-backed Zalo Mini App for real-time revenue tracking.
- Automated booking and check-in/check-out notifications with a custom Lark bot driven by Node.js webhooks, delivering alerts to the relevant staff groups.

TECHNICAL SKILLS

Languages	TypeScript, JavaScript, Go, Python, C/C++, SQL
Frontend	React, Next.js, Vite, Tailwind CSS, Zustand, Ant Design, Fluent UI, Cesium
Backend	Node.js, Express.js, Echo(Go), Spring Boot, Flask, REST, gRPC, MQTT
Mobile/Desktop	React Native, Flutter, Tauri, ElectronJS, Zalo Mini App
Data/DevOps	Supabase, MongoDB, SQLite, PocketBase, Strapi, Git, Docker, Caddy, Linux, WSL
Embedded/RF	STM32, ESP32, M5Stack, SDRs, RF sensors, EO cameras, radar, jammers, SAPIENT

ACTIVITIES, CERTIFICATIONS & HONORS

- Google Solution Challenge (2021–2022)** — Flutter and Firebase solution supporting the UN Sustainable Development Goals.
- BUILD-IT Innovation & Entrepreneurship Challenge (2023)**, Certificate of Achievement; **Top 9, HCMUT Presentation Contest (2019)**; IELTS 6.5 (2022).