

Tuan Kiet Nguyen

Software Engineer

📞 0377563267 📩 nguynkit3107@gmail.com 🌐 tkdev.site 🌐 Danang, Vietnam

OBJECTIVE

Software Engineer with a solid foundation in C++ and hands-on experience in Qt and QML. I enjoy working on system-oriented problems, focusing on performance, modular design, and long-term maintainability. My recent projects span both system-level components and application development, and I am currently pursuing a long-term career in embedded and automotive software.

EDUCATION

Duy Tan University

2021 - 2025

Bachelor of Software Technology

- **Relevant Coursework:** My studies provided a strong foundation in core computer science principles, including **Data Structures & Algorithms**, **Web Development**, and **Database Management**. I also gained practical knowledge in **Software Engineering**, focusing on software development lifecycles with Scrum, **testing methodologies**, and **software architecture**.
- **Final Year Project:** Developed an AI-powered chatbot using Next.js, Spring Boot, MongoDB, and MySQL that predicts potential diseases based on user symptoms, context, and medical history, improving early diagnosis guidance and user accessibility to health information.

WORK EXPERIENCE

PSCD Co., LTD

March 2025 - Present

Internship - Fullstack Developer

- Implemented frontend components while following structured development workflows and coding standards.
- Worked closely with backend developers to ensure clean integration and maintainable code.

Mobile Application Developer – Cong Jeep Adventure App - congjeep.com

April 2025 - Present

Fullstack Developer

- Designed and implemented backend services with a clear separation of concerns, focusing on stability and scalability.
- Worked with real-time communication (WebSocket) and authentication flows, gaining experience in system behavior under concurrent usage.

Everlane Fashion E-commerce Clone

June 2025 - Present

Fullstack Developer

- Built a high-performance e-commerce platform using ReactJS, ExpressJS, and MySQL to replicate a modern fashion shopping experience.
- Designed and implemented a **custom mini CDN** with an image processing core in C++ and storage via MinIO; optimized delivery using ExpressJS and Nginx to handle high-volume image requests.
- Overcame challenges in **performance optimization** and ensuring scalable architecture for real-time image delivery.
- Implemented **Dependency Injection** and **Singleton pattern** within the system components to improve modularity, testability, and resource management.
- Learned advanced frontend-backend integration, scalable system design, and real-world performance optimization techniques.
- Designed and implemented an image processing core in **C++**, focusing on performance optimization and efficient resource usage.
- Integrated the C++ component with backend services to handle high-volume image requests.
- Gained hands-on experience in system-level design, performance tuning, and resource management.

Personal Projects

December 2024 - January 2025

Fullstack Developer

Fresh Food E-commerce Platform - AquaTerra

- Developed a full-stack web application using Laravel Blade and MySQL to manage product listings, orders, and user accounts for fresh food delivery.
- Faced challenges in designing a clean and responsive interface that could handle large product catalogs while maintaining fast load times.
- Focused on clean code, modular components, and user-friendly navigation, improving usability for customers.
- Gained hands-on experience in full-stack web development, database design, and responsive frontend design.
- Built a modular backend system following SOLID principles and common design patterns, focusing on maintainability and clean architecture.

SKILLS

Core Programming & System	<ul style="list-style-type: none">• C++ (OOP, STL, memory management basics)• Qt / QML• Event-driven and modular architecture• Multithreading fundamentals
Operating System & Environment	<ul style="list-style-type: none">• Linux development environment• Nginx, Docker• Basic networking concepts
Frontend Development	Proficient in React.js, React Native, Laravel Blade, HTML5, CSS3, JavaScript (ES6+). Experienced in building responsive, user-friendly interfaces from Figma designs and optimizing UI/UX for better usability.
Backend Development	Hands-on experience with Node.js (ExpressJS), Spring Boot, and PHP. Able to design RESTful APIs and integrate backend services with scalable architectures.
Databases	Practical knowledge of MySQL and MongoDB for designing relational and non-relational schemas, ensuring data consistency and performance.
System & DevOps	Familiar with Linux environments for development and deployment. Experienced with Nginx, MinIO, and CDN-like architectures for image delivery and optimization.
Software Development Process	Exposure to Agile/Scrum methodologies during internship and team projects; comfortable with iterative development, sprint planning, and collaboration tools (Git).
Security Awareness	Understanding of common web vulnerabilities (XSS, SQL Injection, CSRF) and basic secure coding practices to build safer applications
Software Engineering Practices	SOLID principles, Design Patterns (Singleton, Dependency Injection, Repository Layer).
Version Control	Git, Bitbucket
Other Skills	Strong problem-solving mindset, ability to learn new technologies quickly, and passion for writing clean, maintainable code.

LEARNING & SELF-DEVELOPMENT

- Gained hands-on experience with **Linux system administration**, shell commands, and development environments.
- Studied **basic security concepts** using Kali Linux, focusing on common vulnerabilities and penetration testing fundamentals.
- Explored **machine learning** with TensorFlow, experimenting with simple models to understand core concepts of AI.
- Completed **Oracle “Become an AI Vector Search Professional” learning path**, gaining insights into vector databases and their role in modern AI applications.