ANH QUAN TRAN

Software Developer Intern

+16024305927 quananhtrancs@gmail.com
https://www.linkedin.com/in/quan-tran-960832276/

SUMMARY

Software Developer Intern recognized for **high productivity** and **efficient** task completion. Proficient in **Java**, **SQL**, and **Python**, with expertise in **debugging**, **coding**, and **software design**. Demonstrated ability in **full stack development** and **agile methodologies**, contributing to improved system efficiency and streamlined processes in team projects.

EDUCATION

Bachelor of Science in Computer Science — 05/2026

Arizona State University — Temple, AZ

- GPA: **3.5/4.0** | **Honors**: Kaplan International Scholar, Ira A. Fulton Schools of Engineering Dean's List (3 years)

EXPERIENCE

Software Developer Intern — 05/2025 - 08/2025

MightyID — Irvine, CA

- Improved educational content efficiency resulting in **25%** enhanced user engagement by optimizing **Nuxt.js** and **Grape JS dashboard**.
- Collaborated with **cross-functional** teams to implement responsive, accessible, and user-friendly interface components tailored for the platform's user base.

Software Developer Intern — 05/2024 - 12/2024

RoboMain — Oshawa, ON

- Constructed a CMMS (**Computerized Maintenance Management System**) that centralized and simplified maintenance operations for onsite teams and management
- This system, which replaced fragmented software solutions, is expected to increase work speed by **30%** by enabling efficient remote monitoring
- Engineered core modules for a CMMS using **Next.js**, **TypeScript**, **Java Spring Boot**, and **DBeaver SQL**, enhancing development velocity across a cross-functional team, and accelerating feature deployment by 20%
- Identified and resolved bugs, reduced reported issues from testers by **30%**

Software Developer Intern — 05/2023 - 08/2023

FPT Corporation — Ho Chi Minh City, Vietnam

- Engineered a high-performance shortening link system using **HTML**, **CSS** and **Nuxt.js**, empowering end-users to efficiently generate shortened links, resulting in a 50% reduction in link generation time
- Implemented a consistent back end with **Java Spring Boot**, and employed the Asynchronous Request-Reply pattern resulting in **50%** increase in API response speed and smoothen user experience

PROJECTS

Sequential QA Bot — 06/2025 - 07/2025

- Created a sequential QA bot system with **RAG** architecture to **store** and **retrieve** restaurant information, enabling intelligent routing between **vector store** knowledge base and **web search** for comprehensive customer support.
- Integrated **multi-agent sequential** workflow using **LangChain** framework with **conditional routing**, **LLM** nodes, **tool integration**, and **hallucination detection** through relevance grading to ensure accurate responses for restaurant queries.

FIND ME ONLINE

Portfolio
https://www.linkedin.com/in/quan-tran-960832276/

LinkedIn
https://www.linkedin.com/in/quan-tran-960832276/

GitHub
https://github.com/Quan-Trancs

SKILLS

Programming

Java · JavaScript · Python · C/C++ · SQL · HTML/CSS · MATLAB

Backend

Spring Boot · Spring Data JPA · PostgreSQL · Redis · Docker · AWS

Frontend

Vue.js · Next.js · Nuxt.js · JavaFX

Security

JWT · Rate Limiting · Authentication · Input Validation

Development Tools

Git · Gradle · IntelliJ · VS Code · Prometheus · Hibernate ORM · GitHub Copilot · Cursor · AI-assisted Development

Machine learning

MML · Gen AI · LLM · RAG · Web Scraping · LangChain · LangGraph · Flowise · OpenAI API · Anthropic API

PROJECTS

Next E-Commerce

03/2025 - 07/2025

- Developed a high-performance e-commerce featuring over 10 e-commerce functionalities with a clean, accessible UI, offering a seamless and responsive shopping experience.
- Utilizing **Next.js** (App Router), **MongoDB**, and styling with the **Shadcn UI** library during development.
- Implementing advanced e-commerce features including product catalog, shopping cart, user authentication, payment processing, and order management.

Book Store

12/2023 - 01/2024

- Developed a production-ready API supporting **1,000+** concurrent users with **98%** uptime using Dockerized microservices.
- Reduced API response times by **70%** and query latency by **60%** through strategic **indexing**, **Redis/Caffeine caching**, and **asynchronous processing**.
- Architected a robust security strategy featuring **JWT** authentication, **rate limiting,** and secure data **validation** pipelines to mitigate vulnerabilities.
- Streamlined production deployments using **Spring Boot Actuator** and **Prometheus** for real-time performance monitoring.

LANGUAGES

English Advanced