



Trieu Ngoc Phan

Software Developer



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Da Nang

About Me

I am a developer with electronic and telecommunication background. I am passionate in developing embedded systems, especially for smart devices and IoT. I love solving programming problems, collaborating and learning from excellent people

Career Goals

- **Short-term goals:** Get an employment with a company that will provide me with advancement opportunities
- **Long-term goals:** Reach senior level and become a team leader in company, expand my technical skills and earn professional certificates

On-going Courses

- Linux System Programming Techniques & Concepts (24%)
- Microsoft Azure Fundamentals (20%)
- The Complete Python Pro Bootcamp

Language

English: Professional Working Proficiency

Experience

Software Developer

06/2021 – Present

FPT Software – Da Nang

- Making C++ projects base on **OOP** model and learned **Unit Socket** protocol for Embedded System Programming.
- Learned **Objective-C** programming for iOS Application programming.
- Created **GUI Application** to manage database using **Qt**.
- Built Automotive Embedded System using **CAN bus** protocol with **Boost Asia** library for communicating between physical devices on car through **Linux Kernel**.
- Designed layout using **Java Script** and using **MVC model** for processing.
- Writing **automation test** for system using **VBA** language.
- Implement network inside car following **OSI (Open System Interconnection)**
- Fixing memory leak issues

Education

B.S. in Electronic and Telecommunication

09/2017 – 06/2022

Da Nang University of Science and Technology (DUT)

GPA: 7.1, **Capstone:** Industrial Zone Environment Monitoring and Controlling System

Coursework: Computer Architecture, C/C++ Programming Languages, FPGA, Image Processing, Circuit Analysis

Projects:

- Swift Birds Monitoring System (Tech stack: MQTT, Node-red, Python, C/C++)
- Water Level Monitoring System (Tech stack: STM32F4, C/C++)
- Design ALU 8-bit (Tech stack: FPGA, VHDL)

Skills

Programming Languages

- C++
- Java Script
- Python
- VBA

Technical

- MQTT, LoRa
- Network, Unit Socket
- Linux, Docker
- Git, SVN
- VS Code/Visual Studio
- Database systems

Professional

- Collaboration
- Communicating
- Problem solving
- Adaptability
- Self-learning

Certificate

- Linux basic (Udemy)
- Linux device driver programmer (Udemy)
- Practical OpenGL and GLSL shaders fundamentals with C++ (Udemy)
- Fundamental of Java Script Programming (Udemy)

Personal Training

- Solved 61 problems (including easy, medium and hard level) on LeetCode
- Solved over 60 problems on CodeSignal and continuing to solve

Dear Hiring Manager,

Are you seeking for a reliable, skilled, and open-minded software developer? I hope my CV would give you a clue. I am Trieu, a software developer based in Da Nang. I got my bachelor's degree in Electronic and Telecommunication at Da Nang University of Science and Technology. Currently, I am working as a software developer at FPT Software, Da Nang from 06/2021. However, I am looking for a new opportunity in my career path. Therefore, I am writing this to apply for the *C++ Developer* position at your company.

How do my qualifications fit your requirements? At the university, I learned subjects related to embedded systems and C++ programming (i.e., Circuit Theory, Circuit Analysis and Designed, Computer Architecture, Semi-conductive devices, C++ programming language, IC). I have knowledge about the hardware design and the UART, I2C protocols for sending/receiving data between devices. Especially, I completed several projects related to network and IoT programming based on Arduino Boards. At FPT Software, I am working in an Automotive project. My tasks include creating Session Layer on Network Communication, design layout using JavaScript, writing UT test, IT test for some modules such as watchdog and CAN-Com. I usually work with Unit Socket, constructing the OOP system, smart pointer, memory management (i.e., optimize usage memory and ensure no memory leak issues). I am familiar with Linux, Boost-Asia library, and CAN bus protocol. I use git, SVN, Visual Code for my daily tasks. With current experience and knowledge, I believe that I can quickly adapt to a new role and significantly contribute to your company.

I am eager and willing to learn new knowledge, expand my skills, and collaborate with excellent colleagues. I can work under pressure to meet the deadline of company project. Do you have more questions about me? I am very happy to tell you more about myself and discuss my qualifications for the position in a personal interview. I look forward to hearing from you. Thank you for your time reviewing my resume.

Sincerely,

Ngoc-Trieu Phan

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