Trieu Ngoc Phan
Software Developer

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GitHub https://github.com/TrieuPhanNgoc

in https://www.linkedin.com/in/phan-trieu-5688b715b/

About Me

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

Career Objectives

Seeking a job opportunity for an entry level position as a software engineer for improving skills of building embedded system and IoT system.

On-going Courses

Networking Fundamentals

Autosar Architecture

Winform Application

Language

English: Professional Working Proficiency

EXPERIENCE

Software Developer   **06/2021 – Present**
FPT Software – Da Nang
Yanmar Project
This project built a system on tractor for interacting with physical devices on it using CAN bus as standard transmitters for system.
- Implement UI of Screen based on Projektor Framework and Interaction with UI by JavaScript on Tractor.
- Design and Implement CRC Checksum for system
- Implement Session Layer of OSI model using Boost Library on Linux Kernel
- Writing UT, IT and Automation tests for system.

Aisin Project
- Built functional model to receive data from service and handle to display UI
- Implement UI using qml QtQuick and JavaScript
- Create Common Component as Template for UI system when using qml

EDUCATION

B.S in Electronic and Telecommunication   **09/2017- 06/2022**
Da Nang University of Science and Technology (DUT)
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
- Unit Socket/Network
- Linux/Docker
- Memory Management
- Pattern Design
- Qt / VS Code
- Git

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

CERTIFICATE

Functional Programming in C++ (Udemy)

C++ in Advanced (Udemy)

Fundamental on Linux (Udemy)

Qt 6 Core with C++ (Udemy)

PERSONAL TRAINING

- Solved 94 problems on LeetCode and continuing to solve
- 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 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 and automation 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 and Qt Framework as well. I use git, SVN, Visual Code, Linux command line 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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