

Vu Hai Long

Hanoi, Vietnam

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SUMMARY

+ C/C++ software developer offering more than three years of full life cycle experience including planning and assessment, requirements definition, features and functionality design and development, coding, testing, QA, implementation, product and infrastructure enhancements and maintenance. Solutions through intuitive problem-solving and creativity.

+ Knowledge of advanced level programming in C/C++ including thread synchronization multi-threading, multi-processing, concurrency and TCP/IP Socket Programming.

+ Develop bunch of Infotainment features on middleware layer in automotive.

+ Familiar in Analysis and Debugging in Linux with opensource tools like gdb, vargrind, ...

WORK EXPERIENCE

LG VS DCV

Jun 2021 - Now

C++ Software Engineer, Environment: C++, Linux

- + Analyze OEM's requirements and translate them into technical specifications and tasks
- + Designed, developed, and tested software applications meeting deadlines and budgets.
- + Fixed bugs in the order management system.
- + Analyzed code to identify and improve code qualities with support from opensource utilities.
- + Specified, prototyped, developed and tested an object-oriented, modules.
- + Creating full top to bottom architecture of the analyzed firmware in UML.

DZS VIET NAM

Jun 2019 - Apr 2021

Junior C Engineer, Environment: C, Linux

- + Maintain networking devices (WiFi , Switch, Router) with knowledge about Network protocols, Linux network stack, device driver.
- + Provided coding, data propagation and validation procedures for technology platforms.
- + Designed, coded, implemented and tested new features and modules for the derivatives system
- + Fixed bugs in the order management system.
- + Give explanation about standard, situations in networking to customers to negotiate problems.
- + Understand IPv6 concepts and integrate these to products with a adapter to reduce effort when changing embedded platforms.

SKILLS

Programming languages	C/C++, Python
Libraries & Framework	STL, BOOST, Poco, vSomeIP, ProtoBuf. Gtest/Gmock, QT.
Concepts	CI/CD, V-Model, OOA/OOD (UML, Design Patterns), Multithreading/Multiprocessing, Networking, Micro-service.
Hardware protocol	UART, SPI, I2C
Built tools	CMake, Yocto,
Software	Microsoft Visual Studio, Emacs, Vim, Tmux, Bash, Zsh. Jenkins, BitBucket, Jira.
Software development	Agile, Kanban A-SPICE
System	Window 7/10, Linux

EDUCATION, ACTIVITIES & CERTIFICATIONS

Bachelor's Degree, Post & Telecommunications Institute of Technology Major: Electrical and Electronics Engineering (GPA: 3.46)	5/2020
stackoverflow community: 600+ reputation points https://stackoverflow.com/users/16331360/long-kl	6/2021
TOEIC certificate with 585 points.	10/2019
Hackerrank coding competitive https://www.hackerrank.com/vuhailongkl97	2020
Linkedin's achievement https://www.linkedin.com/in/longkl97/	2021