TAN LE MINH

Senior Software Enginner

SKILLS

C/C++ 5+ yrs

Linux 7+ yrs

Scripting 3+ yrs

Open Source Tools 5+ yrs

Git 3+ yrs

Java/Python 2+ yrs

Gerrit/Azure TFS/Bamboo 2+ yrs

Golang 1+ yrs

CONTACT

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PROFILE

Senior Software Engineer, have a strong background of low-level programming and considerable experience in embedded Linux topic. I am passionate about developing and integrating new solutions that comply with end device specifications.

Have a background of the classic AUTOSAR as well as adaptive AUTOSAR.

I am keen to participate in the development of a long term project.

WORK EXPERIENCE

Lead Engineer Dec 19 - NOW
Vinfast

Part of the team to make the eCockpit ECU which is integrated by the MHU, Cluster and TCU(Telematics Control Unit) into one.
The project is using Renesas R-Car platform which has 2 domains for MHU and Cluster respectively, and R7 for Vehicel Control Unit and Quectel AG35 LTE for TCU.

- Mainly develop in TCU side which is running LTE Linux platform.

- Design and implement the SPI-based protocol which supports the communication between TCU and Vehicle through R7(R-Car).

- Fully support the BSP integration and whole integration for the project.

- Design and implement the eCall feature based on BS EN 16062, BS EN 16072, BS EN 15722.

- Design and implememt the DTC reporting in LTE side which monitors and reports the DTC error into the vehicle.

- Integrate the someip for the communication between TCU and MHU.

- Integrate the secure boot for security feature.

- Design and implement the stack that fullfill the requirement of ISO 14229 UDS.

Technologies include:

- C/C++, Bash/Python

- Security(selinux, secure boot), Yocto

Senior Software Engineer May 19 - Dec 19
Vinfast

Part of the team to make the Central Gateway for Vinfast car, responsible for implementing the flashing sequence/reprogramming

- The chipset is Infineon Tricore tc297tp.

- Implement the flashing sequence for FOTA feature.

- Have the background of ISO 14229 UDS.

Technologies include:

- C, Bash script.
- QAC for static analysis.
- Cantata for Unit test.

Senior Software Engineer
Continental Automotive - Singapore

Mar 17 - May 19

Part of the team to make the TCU for Nissan and Renault.

- The TCU is using Qualcomm MDM96x7 LTE and VUC(RH850).
- Design and implementation of eCall feature.
- Design and implementation of audio manager.
- Design and implementation of audio profile loading for all the car lines which is using the Diagnostics service to load the Audio profile.
- Have the background of UCM, Persistence, Diagnostics, Log and Trace and State Management.
- Support EU/Russia certification on regulatory eCall.

Technologies include:

- C/C++, Python, Bash scripting
- Gerrit/Git, Yocto

Senior Software Engineer
Robert Bosch Engineering - HCM

Sep 15 - Mar 17

Part of the team to make the streaming camera module mounted on the vacuum cleaner robot for surveillance.

- Fully bringup i.MX6 custom board for camera module.
- Fully integrate the whole project using Yocto framework.
- Design and implementation of streaming software component.
- Setup the Static Analysis Tool using PC-Lint.
- Porting Bosch Linux driver into i.MX6 platform.
- Porting the Wifi and Camera OV5640 driver into i.MX6 platform.

Technologies include:

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- C/C++, Yocto/Python
- Git/gerrit, Gstreamer

Software engineer
Global Cybersoft(Hitachi Vantara) - HCM

Sep 13 - Sep 15

Part of the team to develop and maintain the Set Top Box for DIRECTV(AT&T).

- Maintain and develop the feature for Set Top Box software.

Technologies include:

- C/C++, Java/JNI, Bash Scripting
- Linux/Git