LE PHUC DUC - SOFTWARE ENGINEER

Curriculum Vitae

1 LE PHUC DUC

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1.1 SKILLS

Programming language∗∗: C, C++, Batch script, Python, CAPL
Automotive industrial∗∗: AUTOSAR Classic, CAN protocol, LIN protocol
Tools∗∗: ALM, Vector toolchain (CANoe, VectorCAST, Davinci Configurator & Developer)

1.2 EDUCATION

Ho Chi Minh City University of Technology, Ho Chi Minh City∗∗ | **2024 – Present**
Master's Degree in Computer Science Engineering∗
GPA: 7.6/10
Ho Chi Minh City University of Technology, Ho Chi Minh City∗∗ | **2018 – 2022**
Bachelor's Degree in Automation and Control Engineering∗
GPA:

1.3 WORK EXPERIENCE

Bosch Global Software Technologies Company Limited∗∗ | Ho Chi Minh City, Vietnam
Bosch Global Software Technologies Vietnam is a subsidiary of Bosch Global, focusing on Automotive Embedded Systems. Developing Airbag systems, our goal is to save lives which requires a great attention to detail and the highest standard of safety in embedded systems.∗
Product∗∗: Perfectly Keyless System
Customer∗∗: Honda

1.3.1 Software Engineering | Feb 2024 – Present

1. Responsible for Software Developer in Master ECU software development with SaaP approach.

   - Proficient in configuring AUTOSAR Basic software, including CommStack, MemStack, CryptoStack and SystemStack.
   - Proficient in developing AUTOSAR Application software components and RTE configuration.
   - Creating the platform software to integrate Master Mcu SaaP product.
     - Support to integrate new SIP from Vector.
   - Experienced in Cybersecurity concept in software development.

2. Support for DevOps activities in project.

   - Setup infrastructure, develop and maintain CI/CT pipeline for project.
   - Building the framework for clear, functional C document using Doxygen + Sphinx.

3. Responsible for Software Developer in **SDV program**.

   - Define approach, architecture and technologies used for internal SDV program.
   - Collaborate with ETAS to bring up PK's features into DreamKit.

- Bring up features from Master Mcu's SaaP to SDV internal platform (Diagnostic, Ranging/Localization).
- Experienced in developing and debugging softwares in Linux environment.
- Building the pipeline and document framework for SDV.

Achievement∗∗

- Acknowledged for contributing to software delivery for Japan customer (Honda, ALAP) for 2 consecutive releases.

- Successfully building a platform software to integrate SaaP product which contributed to the validating process of both VnV and Developer team.

- Acknowledged for successfully bring up features from PK to SDV platform.
  Product∗∗: Perfectly Keyless System for Fleet Management Extended Access.
  Customer∗∗: CV (Commercial Vehicle)

1.3.2 Software Engineer │ June 2022 – Feb 2024

1. Responsible for Software Developer in Master ECU for Perfectly Keyless System's platform project.

   - Configuring AUTOSAR Application software components and RTE configuration.
   - Support to integrate new SIP from Vector and support to debug problem in SIP package.
   - Understanding CCC (Car Connectivity Consortium).

2. Proficient in developing Application software components and configuring Basic software for Airbag product

3. Establised CI/CT pipeline for project (integrating build process, unit test upto system test and reporting).

4. Responsible for developing door lock/unlock feature for Master Mcu using LIN.
   Achievement∗∗

- Acknowledged for establishing and maintaining CI/CT pipeline and share for other teams.