**NGUYEN QUANG BINH**

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**SKILLS**

**Programming language**: C, C++, Batch script, Python, CAPL

**Automotive industrial**: AUTOSAR Classic, CAN protocol, ASPICE, Linux

**Tools**: ALM, Vector toolchain (CANoe, Davinci Configurator & Developer), Git

**EDUCATION**

**Ho Chi Minh City University of Education and Technologies Ho Chi Minh City 2020 – 2024**

*Engineer’s Degree in Computer Technology Engineering*

GPA: 8.21/10 – Distinction

**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 Perfect Keyless 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 : R&D software by Bosch**

**Software Engineer August 2024 - Present**

* Responsible for Software Engineer in Perfect Keyless software development .
* Develop system verification system test for Perfect Keyless system
* Develop Automation tool for testing
* Experienced in Cybersecurity software development
* Competent in ensuring software compliance with V-model and ASPICE standards

**Software Engineer February 2024 – Present**

* Responsible for Software Developer in Master ECU for Perfectly Keyless System.
* Porting software from Master ECU to Linux based system .
* Managed entire Software Development Life Cycle:
* Analyze customer and system requirements
* Refine and specify software components requirements
* Participate in software architecture and design
* Responsible for software implementation
* Problem analysis and resolve defects
* Optimize software from RTOS to running on multithread system
* Implement Encryption mechanics to linux based system : ECDH , AES , CMAC .

**Software Engineer – Intern Nov 2023 – April 2024**

* Responsible for Software Developer in Master ECU for Gateway System.
* Develope
* Managed entire Software Development Life Cycle:
* Analyze customer and system requirements
* Refine and specify software components requirements
* Participate in software architecture and design
* Responsible for software implementation
* Problem analysis and resolve defects
* Optimize software from RTOS to running on multithread system

Implement Encryption mechanics to linux based system : ECDH , AES , CMAC .

**Achievement**

* Acknowledged for contributing to on-time software delivery and demonstration for customer with Toyota