LE PHUC DUC

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WORK EXPERIENCE

Bosch Global Software Technologies Company Limited | **Ho Chi Minh City, Vietnam**

Software Engineer

Customer: Honda
Feb 2024 - Present

Product: Master Software Library and Anchor Product

Responsibilities:

- **Software Development with Software-as-a-Product (SaaP) approach:**
  - Configured and optimized AUTOSAR Basic Software modules including RTE, OS, and COM for production deployment
  - Architected and developed platform software to integrate Master library product, enabling seamless validation workflows
  - Integrated new Software Integration Packages (SIP) from Vector, ensuring compatibility with existing codebase
  - Supported customer for the integration process of the product into their platform including debugging and providing hotfixes
- **DevOps Engineering:**
  - Designed and maintained CI/CD pipelines using Jenkins, reducing build and integration time
  - Developed automated documentation framework using Doxygen and Sphinx, improving code documentation coverage
- **Software-Defined Vehicle (SDV) Development:**
  - Defined technical approach, architecture, and technology stack for internal SDV initiatives
  - Collaborated with cross-functional teams to bring up Perfectly Keyless (PK) features to DreamKit platform
  - Developed and debugged embedded Linux applications for SDV platform
  - Established CI/CD pipeline and documentation framework for SDV development using Azure DevOps

Achievements:

- **Top Performer Award (2025):** Recognized for delivering software to Honda and ALAP customers across 2 consecutive releases for 2 generations
- Developed platform software adopted by both Verification & Validation (VnV) and Developer teams for SaaP product integration
- Successfully delivered PK features migration to SDV platform, enabling new product capabilities

Customer: Perfectly Keyless Commercial Vehicle (PKCV)
June 2022 - Feb 2024

Product: Perfectly Keyless System for Fleet Management Extended Access

Responsibilities:

- **Master ECU Software Development for Perfectly Keyless System:**
  - Configured AUTOSAR Application Software Components (SWCs) and Runtime Environment (RTE) for production ECU
  - Integrated Software Integration Packages (SIP) from Vector and resolved integration issues
  - Implemented features compliant with Car Connectivity Consortium (CCC) Digital Key standards
  - Developed and tested door control functionality using LIN protocol communication

Achievements:

- Contributed to successful product delivery for commercial vehicle platform
- Gained deep expertise in AUTOSAR Classic architecture and automotive communication protocols

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SKILLS

- **Programming Languages**: Python, C, C++, Shell Scripting
- **DevOps & CI/CD**: Jenkins, Docker, Git, CMake, Linux, Azure Cloud. Azure DevOps
- **Documentation & Automation**: Doxygen, Sphinx, Scripting Automation
- **Domain Experience**: Embedded Systems especially in AUTOSAR Classic, CAN protocol
- **Tools**: Vector Toolchain, Jira, Azure Portal
- **Methodologies**: Agile/Scrum, ASPICE, CI/CD Pipeline Design
- **Soft Skills**: Communication, Problem-solving, Adaptability, Time Management, Teamwork

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EDUCATION

Ho Chi Minh City University of Technology, Ho Chi Minh City

Master's Degree in Computer Science
2024 – Present

GPA: 3.2/4

Bachelor's Degree in Automation and Control Engineering *2018 – 2022*

GPA: 7.8/10

LANGUAGES

- **Vietnamese**: Native
- **English**: Professional Working Proficiency