

Le Phuc Duc

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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

EDUCATION

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

Master's Degree in Computer Science | 2024 – Present

GPA: 3.2/4

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

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

GPA: 7.8/10

WORK EXPERIENCE

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

Software Engineer | Feb 2024 - Present

Customer: Honda

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 (2024 and 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

Product: Perfectly Keyless System for Fleet Management Extended Access

Software Engineer | June 2022 - Feb 2024

Customer: Perfectly Keyless Commercial Vehicle (PKCV)

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

CERTIFICATIONS

- AUTOSAR Classic Platform Training (Bosch Internal)
- Azure for Developers Training (Bosch Internal)

LANGUAGES

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