Le Phuc Duc

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PROFESSIONAL SUMMARY

Software Engineer with 3+ years of experience in Automotive Embedded Systems at Bosch, specializing in AUTOSAR Classic platform development and DevOps automation. Proven track record delivering production software for Honda and commercial vehicle platforms. Currently pursuing Master's in Computer Science while leading Software-Defined Vehicle (SDV) initiatives.

SKILLS

- **Programming Languages**: C, C++, Python, Shell Scripting
- **Automotive Standards**: AUTOSAR Classic (RTE, OS, COM), CAN, LIN, UDS, CCC Digital Key
- **Tools & Platforms**: Vector DaVinci, CANoe, Git, Jenkins, Jira, Linux
- **DevOps**: CI/CD Pipeline Development, Docker, CMake, Doxygen, Sphinx
- **Methodologies**: Agile/Scrum, ASPICE, Functional Safety (ISO 26262 awareness)
- **Soft Skills**: Cross-functional Collaboration, Technical Documentation, Mentoring

EDUCATION

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

Master's Degree in Computer Science∗∗ | *2024 – Present*
GPA: 7.7/10 (Good - equivalent to 3.1/4.0)

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 (Good - equivalent to 3.1/4.0)

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
  - Implemented cybersecurity measures following automotive security standards
- **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) Program:**
  - Defined technical approach, architecture, and technology stack for internal SDV initiatives
  - Collaborated with cross-functional teams to port Perfectly Keyless (PK) features to DreamKit platform (Ranging/Localization)
  - Developed and debugged embedded Linux applications for SDV platform
  - Established CI/CD pipeline and documentation framework for SDV development

  Achievements:∗∗
- **Top Performer Award (2024):** Recognized for delivering software to Honda and ALAP customers across 2 consecutive releases on schedule
- 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)
- Functional Safety Awareness (ISO 26262)

LANGUAGES

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