

# Le Phuc Duc

Ho Chi Minh City, Vietnam | (+84) 373304824 | lephucduc2000@gmail.com | LinkedIn | GitHub

## PROFESSIONAL SUMMARY

Software Engineer with 3+ years of experience building CI/CD pipelines and automation frameworks in Automotive Embedded Systems at Bosch. Skilled in DevOps practices, Python automation, and documentation systems. Proven track record delivering production software for Honda and commercial vehicle platforms. Currently pursuing Master's in Computer Science with focus on AI/ML applications.

## 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)

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## LANGUAGES

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