

LE PHUC DUC

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WORK EXPERIENCE

Bosch Global Software Technologies Company Limited

Software Engineer

Customer: Honda - Master Software Library

Ho Chi Minh City, Vietnam

June 2022 - Present

Feb 2024 - Present

Software Development (Software-as-a-Product)

- Architected and developed platform software to integrate software library product, enabling testability for both VnV and Development teams
- Configured and integrated embedded software modules (AUTOSAR-based) ensuring compatibility with customer platform requirements
- Integrated third-party software packages, ensuring compatibility with existing codebase and customer needs
- Developed new features and supported cross-functional teams with feature integration
- Provided integration support to customers including documentation, debugging, and hotfixes

DevOps & Automation

- Designed and maintained CI/CD pipelines using Jenkins, improving release quality through automated feature-level testing
- Developed documentation automation framework using Doxygen and Sphinx, creating comprehensive documentation system
- Automated build and integration processes using Python and Shell scripting

Software-Defined Vehicle (SDV) Development

- Defined technical approach, architecture, and technology stack for internal SDV platform initiatives
- Developed cross-platform Linux applications in Python and C++ with gRPC-based inter-service communication
- Collaborated with cross-functional teams to deliver Perfectly Keyless features to DreamKit platform
- Established CI/CD pipelines using Azure DevOps for automated build, test, and deployment workflows
- Built comprehensive documentation framework using Sphinx for SDV platform

Customer: Commercial Vehicle - Fleet Management Extended Access

June 2022 - Feb 2024

- Configured and integrated embedded software modules, resolving integration issues across software layers
- Implemented connectivity features compliant with Digital Key industry standards
- Developed and tested control functionality using automotive communication protocols
- Contributed to successful product delivery for commercial vehicle platform

Achievements:

- Top Performer Award (2025):** Recognized for delivering software for 2 consecutive releases and first release of third product generation
- Platform software adopted by both VnV and Developer teams, accelerating development and testing processes
- Successfully delivered feature migration to SDV platform and demonstrated to Toyota, enabling new product capabilities

EDUCATION

Ho Chi Minh City University of Technology

Ho Chi Minh City

Master's Degree in Computer Science

2024 – Present

- Focus: AI/ML Applications, Deep Learning, Computer Vision

Bachelor's Degree in Automation and Control Engineering

2018 – 2022

SKILLS

- Programming Languages:** Python, C, C++, Shell Scripting
- DevOps & CI/CD:** Jenkins, Docker, Git, CMake, Linux, Azure Cloud, Azure DevOps
- Cloud & Infrastructure:** Azure Portal, Azure DevOps, Docker containerization
- Documentation & Automation:** Doxygen, Sphinx, Scripting Automation
- Communication & Protocols:** gRPC, REST APIs, CAN
- AI/ML (Coursework):** PyTorch, TensorFlow, Deep Learning, Computer Vision, NLP
- Domain Experience:** Embedded Systems, Automotive Software (AUTOSAR)
- Methodologies:** Agile/Scrum, ASPICE, CI/CD Pipeline Design
- Languages:** Vietnamese (Native), English (Professional Working Proficiency)