LE PHUC DUC

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WORK EXPERIENCE

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

Software Engineer

Customer: Honda - Product: Master Software Library *Feb 2024 - Present*

Responsibilities:

- **Software Development with Software-as-a-Product (SaaP)**
  - Architected and developed platform software to integrate software library product, enabling the testability of the product for both VnV and Development team
  - Configured core software modules (RTE, OS, COM) to closely align with the customer's target system configuration and ensure the correct software behavior during testing and development
  - Integrated new Software Integration Packages (SIP) from Vector, ensuring compatibility with existing codebase and customer's needs
  - Developed new features and supported other feature teams to develop and integrate their features into software library product
  - Supported customer for the integration process of the product into their platform by providing integration manual, debugging and hotfixes
- **DevOps Engineering**
  - Designed and maintained CI/CD pipelines using Jenkins, reducing build time and improving release quality by expanding feature-level automated testing
  - Developed documentation framework using Doxygen and Sphinx, created a comprehensive documentation system for project
- **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 new Linux applications for SDV platform in multiple languages that communicate with each other using gRPC
  - Established CI/CD pipeline and documentation framework for SDV using Azure DevOps

Achievements:

- **Top Performer Award (2025):** Recognized for the contribution on supporting to deliver software to customers for 2 consecutive releases and the first release of the third product generation
- Recognized for the contribution on developing platform software adopted by both Verification & Validation (VnV) and Developer teams for SaaP product integration, help speeding up the development and testing process
- Successfully delivered PK features migration to SDV platform and demonstrated to Toyota, enabling new product capabilities

Customer: Commercial Vehicle (PKCV) - Product: Fleet Management Extended Access *June 2022 - Feb 2024*

Responsibilities:

- **Master ECU Software Development:**
  - Configured AUTOSAR Application Software Components (SWCs), Runtime Environment (RTE)
  - 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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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

ADDITIONAL INFORMATION

- **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
- **AI/ML**: Machine Learning, BigData, NLP, Computer Vision, Deep Learning, Jupyter Notebook, PyTorch, TensorFlow
- **Domain Experience**: Embedded Systems especially in AUTOSAR Classic, CAN protocol
- **Tools**: Vector Toolchain, Jira, Azure Portal
- **Methodologies**: Agile/Scrum, ASPICE, CI/CD Pipeline Design
- **Languages**: Vietnamese (Native), English (Professional Working Proficiency)