Pham Anh Tuan

Embedded Software Engineer

PROFESSIONAL SUMMARY

With about 3 years of experience in Embedded Software development, I am confident in my ability to meet clients' everyday needs. Leveraging my extensive knowledge, I can contribute numerous solutions to ensure projects are completed efficiently and swiftly.

EDUCATION

University of Transport and Communications (2018 – 2023)

Electronics And Telecommunication Engineering

Grade: Very Good

CPA 3.46/4.0

SKILLS

1, Technologies	2, Skills
• Programming language : C, Python, CAPL • SW Architecture: AUTOSAR Classic. • AUTOSAR configuration tool: DaVinci, EB Tresos, MaaZ Studio • AUTOSAR testing tool: CANoe, Polyspace • Communication protocols: CAN, ETH, SPI, I2C, UART, UDS (ISO 14229) • Peripherals: ADC, Timer, GPIO • Source Control: Git, SVN • Compiler: GCC, GHS, IAR • RTOS: FreeRTOS, AUTOSAR OS, POSIX OS • Experience with AUTOSAR BSW (Basic Software) and RTE (Runtime Environment), AUTOSAR ECU Configuration Editor, AUTOSAR SWC Editor	• Professional working proficiency in English. • Strong teamwork and communication skills. • Proactive problem-solving and analytical thinking. • Discussed design and feature ideas with clients and team members throughout each project phase, fostering a collaborative environment.

LANGUAGE

English   Intermediate - Ability to clarify requirements and propose solutions with customers

WORKING EXPERIENCE

Company	Time	Role
LTS Group	05/2025 – Present	Embedded Software Engineer

FPT Software	03/2023 – 04/2025	Embedded Software Engineer
ELCOM	08/2022 – 12/2022	Embedded Engineer Intern

PROJECTS

1. Wireless Charging

Description: Digital Matrix Light with AUTOSAR-compliant development.

OEM: Skoda, Mitsubishi, Renault, Nissan.

Team size: 8.

Position: Team member, Embedded Software Engineer.

Responsibilities:

- Using the Davinci tool for configuring the AUTOSAR ECU configuration and code generation.
- Analysis and implementation of AUTOSAR requirements.
- Developing and testing for Diagnostic, CAN, IVD.
- Participating in the process of debugging and fixing issues for customers.

Technology in use: C, Python, CAPL, Davinci Configurator , Davinci Developer, EB Tresos, Canoe, Communication protocols: CAN, UART, UDS (ISO 14229).

2. Digital Matrix Light ECU development

Description: Digital Matrix Light with AUTOSAR-compliant development.

OEM: Audi, Porsche.

Team size: 15.

Position: Team member, Embedded Software Engineer.

Responsibilities:

- Using the Davinci tool for configuring the AUTOSAR ECU configuration and code generation.
- Analysis and implementation of AUTOSAR requirements.
- Developing and testing for Diagnostic, CAN, Ethernet.
- Participating in the process of debugging and fixing issues for customers.
- Code Analysis and Rule Set (MISRA C 2012).
- Knowledge of Software Design, UML using EA tool.
- Participated in the fast-track training program and graduated with top scores.

Technology in use: C, Python, CAPL, Davinci tool, EA tool, Polyspace, Canoe, Communication protocols: CAN, ETH, UART, UDS (ISO 14229).

3. Anti-Toppling Sensor ECU Development

Description: Develop the Anti-Toppling Sensor ECU according to customer requirements.

OEM: Mahindra & Mahindra.

Team size: 4.

Position: Team member, Embedded Software Engineer.

Responsibilities:

- Requirement analytics, meeting with the customer.
- Create SRS, SAD, SDD following ASPICE.
- Coding new features according to the requirement document.
- Integration testing.
- Fix bugs and issues for customers.
- Creating guide documents for the customer.
- Create build script using Cmake.

Technology in use: C, E2 Debugger, Cmake, E2 studio, Communication protocols: CAN, SPI.

4. TOKAI Development

Description: Requirement, Integration testing by C/CAPL language

OEM: Subaru, Hino.

Team size: 5.

Position: Team member, Embedded Software Engineer

Responsibilities:

- Person in charge of analyzing requirements, defining ,and executing integration testing for the system
- Set up the environment and conditions for the integration testing
- Write test cases according to customer requirements.
- Write CAPL scripts to execute the test.

Technology in use: C, CAPL, E2 Debugger, GHS compiler, MULTI debugger, CAN protocol ,Canoe, RAMScope.