Đào Minh Thuấn

SENIOR SW ENGINEER

Personal Information

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- Hòa An, Phú Hòa, Phú Yên.

SKILLS

TECHNICAL SKILLS
- **Programming:** Python, C, C++, C#, Java.
- **Embedded Systems:** MCAL development (GPT, ICU, PWM, EMM, SPI).
- **Tools:** Git/GitHub, e2 Studio, Multi GHS, CS+, T32.
- **Other:** Data structures, Functional Safety (ISO 26262).

SOFT SKILLS
- Effective communication & teamwork.
- Problem-solving & analytical thinking.
- Self-learning & adaptability.

INTERESTS

- Programming & exploring new technologies.
- Reading technical books & self-development materials.

PROFESSIONAL SUMMARY

Embedded Software Engineer with **5+ years of experience** in automotive software development and functional safety. Strong expertise in **MCAL development**, debugging, and software testing. Proven ability to deliver projects on time, optimize processes, and support clients effectively. Certified in **ISO 26262** and **Automotive Functional Safety (AFSP)**.

WORK EXPERIENCE

SOFTWARE ENGINEERING INTERN   05/2019 - 11/2019

Renesas Design Vietnam

- Contributed to e2 Studio software development in Java.
- Conducted testing for e2 Studio, improving product reliability.

SOFTWARE ENGINEER   01/2020 - Present

Renesas Design Vietnam

- Developed **MCAL modules** (GPT, ICU, PWM, EMM, SPI) for **multiple chipsets** (F1Kx, D1x, U2Ax, E2x, R-Car, U5x).
- Collaborated with clients to clarify requirements and ensure project alignment.
- Conducted software testing and debugging, ensuring error-free releases.
- Optimized existing code, improving stability and reducing error rates.
- Provided customer support for bug fixes and product issues.

EDUCATION

COMPUTER ENGINEERING   2015 - 2019

University of Technology and Education Ho Chi Minh City | 2015 – 2019

Graduated with Distinction.

CERTIFICATIONS

2023-2024
- SC-AFSP Semiconductor Automotive Functional Safety Professional.
- ISO 26262 Automotive Functional Safety Training Course.