

RD_189-25_Senior Software Integrator 软件集成工程师（重庆）

담당 업무

Lead full software integration for Zone Controllers & HPC platforms on multi-architecture MCUs:

- Heterogeneous Platforms : Infineon Aurix TC3xx/TRAVERO™ II, domestic MCUs (e.g., Horizon/Jingxuan)

Core Responsibilities

1. Multi-Platform AUTOSAR Integration
 - Configure RTE interfaces (Vector DaVinci/EB tresos) to link customer apps with BSW layers.
 - Develop integration code for BSW modules (OS, COM, MEM) across Aurix, TVII, or local MCUs .
2. Critical Debugging & Issue Resolution
 - Root-cause complex system issues:
 - Hardware-software conflicts (e.g., MCAL driver failures on mixed-signal PCBs)
 - Field failures reported by OEMs (CAN/Ethernet communication errors, boot failures)
 - Utilize Lauterbach Trace32, oscilloscopes, logic analyzers for register-level diagnosis.
3. Release & Compliance
 - Ensure ASPICE L2/ISO 26262 compliance in integration workflows and release artifacts.

지원자 프로필

Mandatory Technical Skills

- AUTOSAR Integration : 3+ years with BSW/RTE configuration (Vector/EB tools) on ARM/RISC-V MCUs.
- Multi-MCU Expertise : Hands-on with 2 platforms:
 - Infineon Aurix TC3xx or TRAVEO™ II
 - Domestic MCUs (e.g., Horizon Journey/J5, NXPN32G45, C-Sky)
- Hardware-Level Debugging :
 - Lauterbach Trace32/JTAG
 - Oscilloscope/logic analyzer for signal integrity validation
 - CANoe/CANalyzer for protocol analysis
- Language : Fluent English (technical documentation/customer calls).

Preferred Skills (Optional)

- Scripting (Python/Bash) for test automation
- CI/CD pipeline basics (Jenkins/GitLab)



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