Automotive Embedded Technical Lead (T)

Job Information

Recruiter
Izumi Network Yugen Kaisha

Job ID
1623770

Industry
Automobile and Parts

Job Type
Permanent Full-time

Location
Fukushima Prefecture, Iwaki-shi

Salary
5.5 million yen ~ 11 million yen

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General Requirements

Minimum Experience Level
Over 10 years

Career Level
Mid Career

Minimum English Level
Business Level

Minimum Japanese Level
Fluent Level

Minimum Education Level
Bachelor's Degree

Visa Status
Permission to work in Japan required

Job Description

JOB DISCRIPTION
Lead the architecture, design, development, integration, debugging and delivery of production-grade automotive embedded software, coordinating
effectively with Japanese customers and global engineering teams.

RESPONSIBILITIES

- Own architecture, detailed design, implementation, integration, verification and release for automotive ECUs and domain/zonal controllers.
- Lead AUTOSAR Classic/Adaptive and non-AUTOSAR development: BSW/MCAL integration, RTE/SWC configuration, drivers, bootloaders and diagnostics.
- Deliver MISRA C/C++ compliant code with design/code reviews, static analysis, unit/integration tests and requirement-to-test traceability.
- Debug hardware-software, timing and performance issues using traces, JTAG, oscilloscopes, logic analysers, SIL/HIL benches and vehicle logs.
- Drive estimation, risk management, defect RCA, CI/CD and configuration management; mentor engineers and coordinate OEM/supplier stakeholders.
- Present proposals, status, risks and recovery plans in Japanese and English to Japan-based customers and global teams.

Required Skills

REQUIRED SKILLS

- Advanced Embedded C/C++: memory management, concurrency, real-time programming, optimization and low-level drivers.
- AUTOSAR Classic expertise (Adaptive desirable) using Vector DaVinci, EB tresos, ETAS ISOLAR or Siemens VSTAR.
- RTOS and/or embedded Linux/Yocto: BSP, boot sequence, multicore, IPC, power/mode management, watchdog, NVM, OTA and secure boot.
- CAN/CAN FD, LIN, FlexRay, Automotive Ethernet, SOME/IP, DoIP, UDS and XCP.
- Automotive MCUs/SoCs: Infineon AURIX TC3xx, NXP S32, Renesas RH850/R-Car, TI, Qualcomm or equivalent ARM platforms.
- Tools: CANoe/CANalyzer, TRACE32, Git/Gerrit, Jenkins/Azure DevOps/GitLab CI, Jira/Polarion/DOORS.
- Design and development in one or more: IVI/cockpit, instrument cluster, ADAS/automated driving, BCM, EPS/chassis, powertrain, gateway/zonal or connected-vehicle ECUs.

PREFERRED SKILLS

- Automotive SPICE exposure (SWE.1–SWE.6) and evidence-based compliance.
- ISO 26262 Functional Safety exposure: ASIL concepts, safety mechanisms and work products.
- BswM, EcuM, ComM, ECU power sequencing, ISO/SAE 21434 cybersecurity or production launch support.

QUALIFICATIONS AND EDUCATIONAL REQUIREMENTS

- Degree in Electrical, Electronics, E&C, Computer Engineering or a closely related discipline.

EXPERIENCE

- 5–12 years of automotive embedded software experience with hands-on technical leadership or subsystem ownership.

POSITION

- The position is based in Japan reporting to Business unit in India/Japan

Company Description