

Modem Software Engineer - Architecture & Networking Solutions (Telematics) | AUMOVIO Korea

Your tasks

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Position Overview:

The Senior Embedded Software Engineer with deep expertise in embedded systems and wireless communication protocols to join our Telematics R&D team. We develop next-generation Telematics Control Units (TCUs) for leading global automotive OEMs.

A critical role in designing, developing, and integrating telematics software while ensuring compliance with automotive-grade quality and performance standards.

Responsibilities:

- Lead the design and development of embedded software for Telematics Control Units (TCUs).
- Develop and integrate cellular (LTE/5G), GNSS(Global Navigation Satellite System), Ethernet, Wi-Fi, and CAN/LIN stack modules.
- Collaborate closely with hardware, systems, and validation teams to deliver new features to market.
- Analyze customer requirements and translate them into detailed software specifications.
- Debug complex system-level issues across the stack (bootloader, middleware, drivers, applications).
- Interface with customers during integration, validation, and product launch phases.
- Support OTA updates, diagnostics (UDS(Unified Diagnostic Services), and data logging functionalities.
- Ensure compliance with automotive standards such as AUTOSAR(Automotive Open System Architecture), ASPICE(Automotive SPICE), and ISO 26262 (functional safety).
- Participate in code reviews, mentor junior engineers, and drive software engineering best practices.

Your profile

- Bachelor's or Master's degree in Computer Science, Computer Engineering, Electrical Engineering, or a related field.
- 7+ years of embedded software development experience in C/C++.
- Hands-on experience with real-time operating systems (RTOS) or



Job ID
REF82437E

Location
Seongnam-si

Leadership level
Leading People

Legal Entity
AUMOVIO Korea Ltd.

embedded Linux.

- Strong knowledge of cellular technologies (LTE/5G) and GNSS(Global Navigation Satellite System) systems.
- Familiarity with vehicle network protocols: CAN(Controller Area Network), LIN(Local Interconnect Network), Ethernet, UDS(Unified Diagnostic Service) diagnostics.
- Experience working with Qualcomm or MediaTek cellular chipsets (e.g., TelSDK(Telephony Software Development Kit), TelAF(Telephony Application Framework), QMI(Qualcomm MSM Interface), RIL(Radio Interface Layer), MIPC(Modem Inter-Processor Communication), AT(Attention) command stacks).
- Solid understanding of bootloaders and secure software update mechanisms (FOTA(Firmware Over-the-Air)/OTA(Over-the-Air).

Our offer

- **Application Introductions**

- Please kindly submit your Resume with Application Form.
- Application Form Download Link
: <https://c.smartrecruiters.com/sr-company-attachments-prod-aws-dc/5/681b2d3485c3bb61ebb8f208/a6ababd5-0cb9-47d4-8b9a-809dfbeacad7?r=s3-eu-central-1>

- **Additional Information**

- Application of this position will be valid until hiring completion.
- Notification of application results will be provided upon completion of the recruitment process.

Ready to take your career to the next level? The future of mobility isn't just anyone's job. Make it yours! **Join AUMOVIO. Own What's Next.**

About us

Since its spin-off in September 2025 AUMOVIO continues the business of the former Continental group sector Automotive as an independent company. The technology and electronics company offers a wide-ranging portfolio that makes mobility safe, exciting, connected, and autonomous. This includes sensor solutions, displays, braking and comfort systems as well as comprehensive expertise in software, architecture platforms, and assistance systems for software-defined vehicles. In the fiscal year 2024 the business areas, which now belong to AUMOVIO, generated sales of 19.6 billion Euro. The company is headquartered in Frankfurt, Germany and has about 86.000 employees in more than 100 locations worldwide.