

Modem SW 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, 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), and data logging functionalities.
- Ensure compliance with automotive standards such as AUTOSAR, ASPICE, 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++.



Job ID
REF82437E

Location
Seongnam-si

Leadership level
Leading People

Job flexibility
Hybrid Job

Legal Entity
AUMOVIO Korea Ltd.

- Hands-on experience with real-time operating systems (RTOS) or embedded Linux.
- Strong knowledge of cellular technologies (LTE/5G) and GNSS systems.
- Familiarity with vehicle network protocols: CAN, LIN, Ethernet, UDS diagnostics.
- Experience working with Qualcomm or MediaTek cellular chipsets (e.g., TelSDK, TelAF, QMI, RIL, MIPC, AT command stacks).
- Solid understanding of bootloaders and secure software update mechanisms (FOTA/OTA).

Our offer

- Please kindly submit your Resume as an Application Form.
- You can Download the Application Form as below link.
- Application Form Download Link
: <https://c.smartrecruiters.com/sr-company-attachments-prod-aws-dc/5/681b2d3485c3bb61ebb8f208/ec7a18b4-74e6-48c7-83e4-1608dc323942?r=s3-eu-central-1>

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 87.000 employees in more than 100 locations worldwide.