

PEPS Software Expert

Your tasks

- Responsible for PEPS (Passive Entry Passive Start) software requirement analysis, architecture design, implementation, and debugging.
- Develop PEPS software functions, including LF/RF communication, key authentication, and interaction with BCM and related ECUs.
- Maintain and optimize PEPS-related algorithms, such as key localization, secure authentication, relay attack prevention, and low-power management.
- Perform PEPS function testing and validation, including bench and vehicle-level testing; support PEPS system calibration, system-level debugging, and mass production release.
- Support the technical manager in project team communication, coordination, and management activities.
- Conduct fault analysis and troubleshooting; support issue resolution, technical reviews, and post-issue retrospectives.
- Support functional safety engineers in the design and implementation of technical functional safety requirements.
- Support cybersecurity engineers in the definition, implementation, and maintenance of cybersecurity-related requirements.
- Support ASPICE assessments and functional safety audits.



Job ID
REF3965R

Location
Yu Bei Qu

Leadership level
Leading Self

Legal Entity
AUMOVIO Automotive Engineering Co., Ltd.

Your profile

- Bachelor's degree or above, with at least 3 years of experience in automotive electronics software development; mass production experience with PEPS products is required.
- Solid understanding of PEPS principles and related communication technologies and protocols, including PKE, RKE, NFC, BLE, UWB, and anti-theft authentication algorithms.
- Familiar with AUTOSAR architecture and development toolchains.
- Proficient in using development and debugging tools such as CANoe, oscilloscopes, and spectrum analyzers.
- Familiar with automotive project management practices and development standards, including ISO 26262 (Functional Safety) and ISO/SAE 21434 (Cybersecurity).

- Strong English & Chinese listening, speaking, reading, and writing skills.
- Good communication skills and strong ability to work effectively in cross-functional teams.

Our offer

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.