AUMOVIO

DevOps Architect

工作职责

1. DevOps Architecture Design & Implementation

- Define and implement DevOps strategies and architectures tailored for automotive embedded software projects.
- Develop scalable CI/CD frameworks for multi-core embedded platforms (e.g., Infineon Aurix TC3xx, NXP 389/399).
- Ensure seamless integration of DevOps practices into the software development lifecycle.

2. CI/CD Pipeline Development & Optimization

- Architect and maintain robust CI/CD pipelines using Jenkins (Groovy scripting).
- Automate build, test (unit, integration, static analysis), and deployment processes for embedded systems.
- Continuously optimize pipelines for performance and reliability.

3. Artifact & Dependency Management

- Oversee artifact lifecycle management using Artifactory.
- Implement and manage Conan C/C++ package manager for efficient dependency handling.

4. Build System & Source Control Management

- Design and maintain build systems for large-scale C/C++ projects, ensuring cross-platform compatibility.
- Manage source code repositories and workflows using GitHub/GitLab, fostering collaboration and code quality.

5. Automation & Scripting

- Develop advanced automation scripts using Python and Bash to streamline integration, testing, and deployment workflows.
- Automate hardware programming, hardware-in-the-loop (HIL) testing, and reporting processes.

6. Containerization & Virtualization

- Leverage Docker to create isolated, reproducible build and test environments for various embedded toolchains (e.g., TASKING, Green Hills).
- Drive the adoption of containerized solutions to enhance development consistency and scalability.

职位要求

Mandatory Technical Skills

1. CI/CD & Automation Tools

职位号码
REF3939W

所在地
Yu Bei Qu

领导力级别
个人贡献者

法律实体名称
AUMOVIO Automotive Engineering Co., Ltd.

- Expertise in Jenkins (Groovy scripting) or GitLab CI for pipeline development.
- Proficiency in Python and Linux Shell scripting for automation.

2. DevOps Ecosystem Tools

- Hands-on experience with GitHub/GitLab for source control.
- Strong knowledge of Artifactory for artifact management.
- Practical experience with Conan for C/C++ dependency management.

3. Build Systems & Embedded Toolchains

- Deep understanding of cross-compilation and build systems for embedded C/C++ (e.g., Makefile, CMake).
- Familiarity with embedded toolchains and debugging tools (e.g., Lauterbach Trace32).

4. Containerization

- Proven experience with Docker for creating and managing development environments.

5. Language Proficiency

- Fluent in Mandarin and English for technical communication and documentation.

Preferred Skills (Optional)

1. Automotive Industry Expertise

- Experience in automotive software development, including AUTOSAR or embedded multi-core systems.

2. Performance Optimization

- Proven ability to optimize build times and pipeline performance.

3. Hardware Knowledge

- Basic understanding of hardware setups for automation (e.g., flash programmers, HIL systems).

Key Attributes

- Strong problem-solving skills with a focus on automation and efficiency.
- Proactive mindset to identify and resolve bottlenecks in development workflows.
- Ability to work collaboratively in cross-functional teams.

Additional Information

- Occasional travel may be required for team collaboration or on-site support.
- This role emphasizes innovation, scalability, and efficiency in DevOps practices for automotive embedded systems.

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关于我们

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.