


# PR/160845 | Senior Embedded Systems Engineer

## 募集職種

**人材紹介会社**
ジェイ エイ シー リクルートメント マレーシア

**求人ID**
1604918

**業種**
医療機器

**雇用形態**
正社員

**勤務地**
マレーシア

**給与**
経験考慮の上、応相談

**更新日**
2026年11月03日 01:00

## 応募必要条件

**職務経験**
3年以上

**キャリアレベル**
中途経験者レベル

**英語レベル**
流暢レベル

**日本語レベル**
無し

**最終学歴**
短大卒： 準学士号

**現在のビザ**
日本での就労許可は必要ありません

## 募集要項

A global leader in laboratory automation, life sciences, and diagnostic solutions is expanding its engineering footprint with the establishment of a new R&D innovation center. Dedicated to advancing healthcare and scientific discovery, the organization develops cutting-edge automation, robotics, and software technologies that empower laboratories, pharmaceutical companies, and healthcare providers worldwide. As part of this exciting growth phase, we are seeking multiple Senior Embedded Systems Engineers to play a key role in developing next-generation automation platforms and shaping the future of intelligent laboratory solutions. This is a unique opportunity to join a highly innovative environment, influence product architecture from the ground up, and contribute to building a world-class engineering organization.

**Key Responsibilities:**

- Design, develop, and maintain embedded software solutions for laboratory automation, liquid handling, and robotic systems using modern C++.
- Architect and implement high-performance, reliable, and scalable embedded software for real-time applications.
- Collaborate closely with software, electronics, systems, and mechanical engineering teams to integrate and optimize

product functionality.

- Perform software testing, debugging, troubleshooting, and root cause analysis to ensure product reliability and quality.
- Define and implement software concepts, technical specifications, and development best practices.
- Evaluate new technologies, development tools, and methodologies to enhance software performance and maintainability.
- Establish and maintain coding standards, software documentation, and development guidelines.
- Participate in software verification and validation activities throughout the product development lifecycle.
- Ensure compliance with relevant quality processes, SOPs, and regulatory standards, including IEC 62304 and ISO 13485.
- Support technical reviews, risk assessments, and continuous improvement initiatives.
- Provide technical leadership and mentoring to junior engineers while contributing to project planning and execution.

**Key Requirements:**

- Bachelor's or Master's Degree in Computer Science, Software Engineering, Electrical Engineering, Mechatronics, or a related technical discipline.
- Minimum 5 years of experience in embedded software development.
- Strong proficiency in modern C++ (preferably C++20) and object-oriented software design.
- Solid experience developing software for embedded systems and real-time operating systems (RTOS), preferably POSIX-based environments.
- Good understanding of embedded architectures, hardware-software integration, and real-time system design.
- Hands-on experience with communication interfaces and protocols such as SPI, CAN, Ethernet, UDP, and QUIC.
- Familiarity with software development tools and technologies such as CMake, Docker, Protobuf, Git, and debugging/profiling tools.
- Experience with software verification, validation, code reviews, and quality assurance practices.
- Knowledge of sensing technologies, robotics, motion control, or motor control systems is an advantage.
- Experience working in regulated industries such as medical devices, life sciences, or healthcare technology is preferred.
- Strong analytical, problem-solving, and troubleshooting skills.
- Self-motivated with a strong sense of ownership and the ability to drive projects independently.
- Excellent communication and collaboration skills in a multidisciplinary and global environment.

**Preferred Qualifications:**

- Experience with laboratory automation, robotics, or precision instrumentation.
- Knowledge of IEC 62304, ISO 13485, or other regulated software development standards.
- Familiarity with Agile software development methodologies.
- Exposure to automated testing frameworks and CI/CD environments.

**Notice:** By submitting an application for this position, you acknowledge and consent to the disclosure of your personal information to the Privacy Policy and Terms and Conditions, for the purpose of recruitment and candidate evaluation.

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会社説明