

PR/161014 | Senior Automation & Motion Control Engineer

Job Information

Recruiter
JAC Recruitment Malaysia

Job ID
1609864

Industry
Medical Device

Job Type
Permanent Full-time

Location
Malaysia

Salary
Negotiable, based on experience

Refreshed
November 24th, 2026 17:00

General Requirements

Minimum Experience Level
Over 6 years

Career Level
Mid Career

Minimum English Level
Fluent Level

Minimum Japanese Level
None

Minimum Education Level
Associate Degree/Diploma

Visa Status
No permission to work in Japan required

Job Description

Our client, a global leader in laboratory automation, robotics, precision instrumentation, and diagnostic solutions for the life sciences and healthcare industries, is seeking a Senior Motion Control Engineer to drive the development of advanced motion control systems for automated instruments and robotic platforms.
In this role, you will lead the design, optimization, and validation of motion control architectures, drive systems, and robotics solutions. You will collaborate with multidisciplinary engineering teams, provide technical leadership, and contribute to innovation initiatives that enhance product performance, reliability, and automation capabilities.

Key Responsibilities

- Lead the design, evaluation, testing, and implementation of motion control and drive chain solutions.
- Perform motor sizing, simulations, performance analysis, and system optimization.
- Develop and improve robotics, automation, and control system architectures.
- Provide technical leadership and guidance on motion control, robotics, and automation projects.

- Collaborate with mechanical, electrical, software, and systems engineering teams to ensure seamless system integration.
- Drive root cause analysis, technical problem-solving, and continuous improvement initiatives.
- Research emerging technologies and contribute to future product and platform development.
- Mentor engineers and support engineering best practices, standards, and technical excellence.

Key Requirements

- Degree in Robotics, Control, Electrical, Mechatronics, Software Engineering, Computer Science, or a related field.
- 6+ years of experience in motion control, robotics, automation, or complex instrument development.
- Proven experience designing and implementing motion control systems and drive chain solutions.
- Strong knowledge of control theory, feedback systems, robotics, and automation technologies.
- Proficiency in MATLAB and scripting/programming languages such as Python.
- Experience with simulation, modeling, motor sizing, system optimization, and troubleshooting of electromechanical systems.
- Exposure to regulated industries such as medical devices, diagnostics, life sciences, or similar high-tech environments is an advantage.
- Strong technical leadership, problem-solving, and stakeholder management skills.

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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Company Description