

PR/161223 | Senior System Integrator

Job Information

Recruiter
JAC Recruitment Malaysia

Job ID
1618536

Industry
Other (Manufacturing)

Job Type
Permanent Full-time

Location
Malaysia

Salary
Negotiable, based on experience

Refreshed
November 3rd, 2026 09:00

General Requirements

Minimum Experience Level
Over 3 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

A global leader in laboratory automation, life sciences instrumentation, and healthcare technology solutions is seeking a Senior Systems Integrator to join its growing R&D team in Penang.
In this role, you will act as the technical lead for complex interdisciplinary development activities, supporting the integration, installation, verification, and optimization of advanced laboratory and medical device systems. You will collaborate closely with mechanical, electrical, software, and systems engineering teams to ensure successful product development from concept through commercialization.
The ideal candidate has extensive experience in system integration and instrument development within a regulated engineering environment. You possess strong troubleshooting capabilities, a broad understanding of multidisciplinary engineering principles, and the ability to drive technical solutions across complex projects.

Key Responsibilities

- Lead system integration activities across all phases of product development.
- Integrate modules and subsystems into complete instrument platforms while considering technical, quality, regulatory, and commercial requirements.

- Support the analysis, definition, and refinement of product requirements and specifications.
- Contribute to product architecture, system concepts, and technical solution development.
- Develop functional models, prototypes, and complete systems before pilot production.
- Conduct technical feasibility studies and proof-of-concept evaluations.
- Design, execute, and document development, integration, and verification testing activities.
- Define test methodologies, acceptance criteria, and measurement approaches.
- Create and maintain engineering test documentation and technical reports.
- Lead complex troubleshooting and root cause investigations involving hardware and software systems.
- Assess technical risks and recommend appropriate corrective actions.
- Support project teams in achieving development milestones and technical objectives.
- Operate and maintain laboratory and measurement equipment used during development and verification activities.
- Participate in design reviews, technical assessments, and continuous improvement initiatives.
- Ensure compliance with applicable quality standards, procedures, and regulatory requirements.
- Mentor and coach engineers while promoting knowledge sharing across teams.

Key Requirements

- Bachelor's Degree in Mechanical Engineering, Electrical Engineering, Software Engineering, Computer Science, Systems Engineering, or a related technical discipline.
- Minimum 6 years of experience in instrument development, system integration, or multidisciplinary product development.
- Experience working within the medical device, life sciences, diagnostics, or highly regulated engineering industries.
- Strong knowledge of mechanical, electrical, electronic, and software systems.
- Experience conducting system-level integration, verification, and validation activities.
- Strong analytical, troubleshooting, and root cause analysis skills.
- Good understanding of product development processes and project management methodologies.
- Ability to analyze and communicate complex technical information effectively.
- Strong technical documentation and reporting skills.
- Excellent communication and stakeholder management skills.

Preferred Qualifications

- Experience in laboratory automation, diagnostics, or medical device development.
- Knowledge of ISO 13485, quality management systems, and regulatory requirements.
- Systems Engineering or Project Management training/certification.
- Programming or scripting experience.
- Experience handling complex customer escalations and technical field issues.
- Familiarity with verification and validation activities within regulated environments.

#LI-JACMY

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.

Privacy Policy Link: https://www.jac-recruitment.my/privacy-policy
Terms and Conditions Link: https://www.jac-recruitment.my/terms-of-use

Company Description