RGF HR Agent India

Embedded Software Engineer (electron microscope equipment)

2-year training in Japan!

Job Information

Recruiter
RGF Select India Pvt. Ltd

Job ID
1559480

Industry
Software

Job Type
Permanent Full-time

Location
Ibaraki Prefecture, Hitachinaka-shi

Salary
4 million yen ~ 6 million yen

Work Hours
09:00-17:30 Mon-Fri

Holidays
Saturday, Sunday

Refreshed
December 17th, 2025 07:00

General Requirements

Minimum Experience Level
Over 3 years

Career Level
Mid Career

Minimum English Level
Business Level

Minimum Japanese Level
Business Level

Minimum Education Level
Bachelor's Degree

Visa Status
No permission to work in Japan required

Job Description

■You will be responsible for developing embedded and application software (operation GUI, electron optical system control, high-precision stage control, vacuum exhaust control, real-time image processing, etc.) that controls electron microscopes in the Analysis Software Design Department of the CT System Product Headquarters.
■Our electron microscopes use electron beams with wavelengths shorter than that of light to observe fine structures that cannot be observed with optical microscopes, and are used in a wide range of fields, from inorganic materials such as metals, ceramics, and semiconductors to polymers and biological tissues.
■We create added value for electron microscopes by utilizing the embedded and application software developed by our department. In addition to the embedded software that controls electron microscope equipment, for example, we use image

analysis during the manufacturing process to inspect for abnormalities, and in addition to inspecting finished products, we also use software to predict the state of deterioration after use and compare it with the actual product.
Our electron microscopes are not only used for observation purposes, but also serve as a manufacturing partner that can be used throughout all stages of the manufacturing process. Our department plays an important role in developing embedded and application software, which adds value to electron microscopes.

・Analysis Software Design Department
The products to be developed are automated specimen testing systems used in clinical laboratories and automated biochemistry and immunology analyzers connected to these automated systems. The automated specimen testing system is responsible for pre-treating blood samples collected from patients and automatically transporting them to an appropriate automated analysis analyzer. After analysis, blood samples are collected from the analyzer and stored. An automatic blood analyzer is an analyzer that measures the amount of various components present in the blood.

Required Skills

【Necessary Skills / Experience】

・Excellent communication skills in both Japanese business level (equivalent: N2 or higher) and English.(MUST)
・Highly experienced professional with over 10 years of expertise in implementing the entire Embedded software and IT solution Software development process, from Basic design to Detail design & Unit testing to Comprehensive testing.
・Understand I/F with other subsystems (inter-process communication, shared memory, semaphores, files, DB/tables, communication protocols) and be able to design I/F using development environments, tools, libraries, and supported languages.
・Proficiency in C programming.
・Proficiency in C++,C# programming.

Company Description