



PR/119390 | Firmware Engineer

Job Information

Recruiter

JAC Recruitment Thailand

Job ID

1585957

Industry

Other (Manufacturing)

Job Type

Permanent Full-time

Location

Thailand

Salary

Negotiable, based on experience

Refreshed

April 7th, 2026 11:12

General Requirements

Minimum Experience Level

Over 3 years

Career Level

Mid Career

Minimum English Level

Business Level

Minimum Japanese Level

None

Minimum Education Level

Associate Degree/Diploma

Visa Status

No permission to work in Japan required

Job Description

Position: Firmware Engineer /

Microelectronics Control Engineer

Salary package: 70,000 - 100,000 THB / month

Responsibilities

- Develop a deep understanding of the company's microelectronic product portfolio and serve as a subject matter expert.
- Define firmware architecture requirements based on product needs and specifications.
- Create comprehensive design documentation for microelectronic control systems.
- Prepare detailed test specifications for external control or firmware manufacturing partners.

- Verify and validate functional test equipment built by contract manufacturers against defined specifications.
- Manage and maintain configuration data for microelectronic product models.
- Collaborate closely with cross-functional teams throughout the product development cycle, including feature definition, prototype builds, test instruction preparation, and user manual reviews.
- Prepare engineering change notifications to document modifications or updates.
- Issue detailed laboratory test requests for technicians to execute.
- Investigate firmware-related issues, drive root cause analysis, and lead corrective actions.
- Perform hands-on firmware development and testing on both simulators and physical prototype units in the lab.
- Identify opportunities to enhance product quality and reduce overall costs.
- Provide technical support to production teams when required.

Qualifications

- Bachelor's degree in Computer Science, Software Engineering, Electrical Engineering, or a related field is preferred.
- Minimum of 2 years of programming experience.
- Strong experience in firmware development using C.
- Knowledge of Lua and UI design tools (e.g., Storyboard) is an advantage.
- Solid technical skills and understanding of embedded systems.
- Strong communication skills for working effectively with internal teams and external partners.
- Experience with test-driven firmware development is considered a plus.
- Excellent debugging skills with the ability to analyze complex issues.
- Proven strengths in problem-solving, critical thinking, and sound decision-making.
- Highly organized with the ability to manage multiple tasks.
- Self-driven, proactive, and comfortable with hands-on work.
- Team-oriented mindset with the ability to collaborate effectively.
- Good command of spoken and written English.

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Company Description