



マレーシアの求人なら
JAC Recruitment Malaysia

PR/159522 | Staff Hardware Digital Engineer

Job Information

Recruiter

JAC Recruitment Malaysia

Job ID

1559232

Industry

Other (Manufacturing)

Job Type

Permanent Full-time

Location

Malaysia

Salary

Negotiable, based on experience

Refreshed

October 7th, 2025 05:00

General Requirements

Career Level

Mid Career

Minimum English Level

None

Minimum Japanese Level

None

Minimum Education Level

Associate Degree/Diploma

Visa Status

No permission to work in Japan required

Job Description

Company Overview and Job Overview

A global leader in software-connected automated test and measurement systems is seeking a Staff Hardware Digital Engineer to join its engineering team in Penang.

In this role, you will lead the redesign and validation of hardware systems, focusing on replacing end-of-life (EOL) components while minimizing changes to software and hardware topology.

Key Responsibilities:

- Research and propose alternative components with minimal impact on system architecture.
- Simulate and implement designs using CAD tools (e.g., Mentor Graphics).
- Validate and debug hardware redesigns during verification and manufacturing builds.
- Conduct failure analysis and root cause investigations using structured methods (e.g., fishbone diagrams).
- Collaborate with manufacturing teams to integrate DFM inputs and improve product yield.
- Develop proof-of-concept designs to support redesign proposals.
- Document project progress and communicate solutions to stakeholders.
- Mentor junior engineers and lead technical documentation efforts.
- Create debug tools and training materials for manufacturing teams.

Key Requirements:

- Minimum 2 years of experience in analog/digital design, with expertise in board-level design or VHDL/System Verilog.
- Bachelor's or Master's degree in Electrical Engineering or Computer Engineering.

- Strong background in HDL IP design or digital circuit design.
- Experience with high-speed interface routing constraints.
- Proficient in CPU/SoC/Microcontroller circuit design.
- Skilled in using standard hardware lab equipment (oscilloscopes, logic analyzers, signal generators, power supplies).
- Familiarity with test automation using scripting or programming languages.
- Demonstrated ability to:
 - Diagnose and resolve technical issues effectively.
 - Learn new technologies and systems quickly.
 - Take ownership of product success and drive tasks to completion.
 - Manage time efficiently and work independently.
- Collaborate in fast-paced, team-oriented development environments.

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Company Description