



PR/159522 | Staff Hardware Digital Engineer

募集職種

人材紹介会社

ジェイ エイ シー リクルートメント マレーシア

求人ID

1562382

業種

その他（メーカー）

雇用形態

正社員

勤務地

マレーシア

給与

経験考慮の上、応相談

更新日

2026年01月13日 09:00

応募必要条件

職務経験

3年以上

キャリアレベル

中途経験者レベル

英語レベル

流暢

日本語レベル

無し

最終学歴

短大卒：準学士号

現在のビザ

日本での就労許可は必要ありません

募集要項

Company Overview and Job Overview

A global leader in software-connected automated test and measurement systems is seeking an experienced Staff / Senior Hardware Engineer to join its innovative team. This is your opportunity to work on cutting-edge technology that powers industries worldwide.

Key Responsibilities for HDL:

- Develop hardware features based on product requirements.
- Perform FPGA and CPLD development using VHDL/Verilog/SystemVerilog.
- Conduct technology research, product bring-up, validation, verification, and debugging for successful launches.
- Debug and resolve system-level issues.
- Collaborate with board-level designers on circuit design, schematic capture, layout review, simulation, and signal integrity analysis.

Key Requirements:

- Bachelor's or Master's degree in Electrical/Electronic Engineering.
- Minimum 5 years of VHDL/Verilog/SystemVerilog experience for Senior level; 2 years for Staff level.
- Proficient in FPGA development and HDL IP design.
- Experience in testbench development is a plus.
- Familiarity with test automation and scripting/programming languages.
- Board-level design experience is an added advantage.
- Passion for continuous learning and working with analog, digital, and computer technologies.

Key Responsibilities for Board Level Design:

- Research and propose alternative components to replace EOL parts while minimizing major software or hardware changes.
- Implement and simulate designs using CAD and synthesis tools (e.g., Mentor Graphics).
- Verify and validate hardware redesigns; debug issues during early V&V and manufacturing builds.
- Perform failure analysis and root cause investigations using RCA techniques (e.g., fishbone diagrams).
- Integrate DFM inputs from manufacturing to improve yield and quality.
- Develop mock-up designs as Proof of Concept to strengthen redesign proposals.
- Document failures, project progress, and share short- and long-term solutions with stakeholders.
- Mentor junior engineers and lead the team in creating product and design documentation.
- Create debug tools and training materials for manufacturing during product release.

Key Requirements:

- Bachelor's or Master's degree in Electrical or Computer Engineering.
- Minimum 2 years of experience in analog/digital design with expertise in board-level design.
- Experience defining routing constraints for high-speed interfaces.
- Strong knowledge of CPU/SoC/Microcontroller circuit design.
- Proficient with hardware lab equipment (oscilloscopes, logic analyzers, signal generators, power supplies).
- Familiarity with test automation and scripting/programming languages.
- Strong work ethic and drive to succeed.

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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会社説明