



Example of HW Engineer Job Description

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Our innovative and growing company is looking for a HW engineer. We appreciate you taking the time to review the list of qualifications and to apply for the position. If you don't fill all of the qualifications, you may still be considered depending on your level of experience.

Responsibilities for HW engineer

- Perform trade studies to determine optimal product design
- Define test strategy and V&V plan with traceability back to requirements to ensure compliance
- Interaction with functional leads of all design disciplines in generating the specifications and owner of the final specification and delivery of the engineering design package to meet this specification
- Develop system engineering components for major proposal efforts including conceptual designs to meet customer requirements, full subcontractor specifications and statements of work, and overall ownership of proposal engineering content
- Generation of specifications for major subsystems supplied by product line partners and key suppliers
- On-site work with international customers to define system level solution, lead system level integration and validate performance after installation
- Design-For-Q&R (DFQR)/DFT/DFM work during system product design stage
- Failure analysis and remedy development
- RMA investigation, disposition and reporting
- Developing product reliability validation strategy, plans and DOEs

Qualifications for HW engineer

- A Bachelor of Science Degree in Electrical Engineering or Computer Science,

- Technical experience with digital components
- Logic design experience (CPLD or FPGA design)
- Hardware Verification Languages including System Verilog, Scripting Test Benches, OVM/UVM Methodologies and System Verilog Assertions
- Simulation Tools such as Simvision and Verdi