



Example of Staff Electrical Engineer Job Description

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Our company is hiring for a staff electrical engineer. Please review the list of responsibilities and qualifications. While this is our ideal list, we will consider candidates that do not necessarily have all of the qualifications, but have sufficient experience and talent.

Responsibilities for staff electrical engineer

- Collaborate on complex designs involved Systems-on-Chip, FPGAs and high speed data acquisition protocols
- Actively participate in the new product development efforts from concepts to implementation for complex printed circuit board designs
- Requirements gathering – Generate engineering requirements from market requirements
- Circuit design and FPGA development
- Work closely with Software Engineers on Hardware / Software integration
- Participate in system-level design reviews
- Support development efforts with custom PCB test fixtures
- Boundary Scan design and development
- Perform as a lead project engineer for safety device programs, delegating responsibilities to the technical team members to achieve the program goals
- Develop and validate models for electrical subsystems that will be leveraged for analytics development

Qualifications for staff electrical engineer

- Minimum 10 years of experience as an Electrical Engineer designing both analog and digital circuitry
- Minimum 5 years of experience in FPGA design and verification
- Proficient with common electrical engineering tools including oscilloscopes,

- Strong applied knowledge of electrical engineering concepts, theories and methods with levels of depth and expertise in areas
- Knowledge of the RF design and experience working with RFID applications is desired
- Knowledge of software/firmware development is helpful, ability to design software for the embedded systems will be a great plus