



Example of Electrical Hardware Engineer Job Description

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Our company is growing rapidly and is looking to fill the role of electrical hardware 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 electrical hardware engineer

- Design and release of enhancements to existing product to improve performance, usability, manufacturability, or product margin
- Evaluate obsolescence issues and recommend path forward via redesign, alternate components, or substitutions
- Delivers hardware designs through prototype, beta, and production release in compliance with product development process and quality practices
- Manage multiple concurrent projects across different departments within the company
- Develop module specifications, FMEAs, test specifications and source packages
- Design and/or verify circuit designs
- Lead/participate in issue resolution activities during development, vehicle launch, and/or warranty periods
- Lead/participate in teams to develop the required vehicle function control requirements that are incorporated into the controllers
- Prototype possible cost saving or development issue solutions in hardware and/or software in conjunction with supplier
- Lead/participate in technical coordination meetings and trips to supplier for component technical reviews

Qualifications for electrical hardware engineer

- Solid analog, mixed signal, and signal processing fundamentals
- Bachelor degree in Engineering (Electrical Engineering, Telecommunications or related field)
- 4-6 years of experience as a RF circuit design engineer in the development of analog and digital circuits and the system implementation of RF application modules and chipsets
- A high level knowledge of tools for schematic/layout realization along with analog and RF simulation
- A Bachelor degree in Electrical or Computer Engineering or equivalent