



Example of Staff Electrical Engineer Job Description

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Our company is searching for experienced candidates for the position of 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

- Interact with Manufacturing, Medical, Regulatory, Quality, Marketing and Field Service throughout projects providing technical assessments and communications to business leadership
- Participate in and provide input into planning the technical development activities from concept through successful commercialization within established schedules, budgets and product cost targets
- Prepares engineering plans, designs, calculations, reports, for medium to large scale projects
- Prepares technical drawings and specifications
- Prepares material specifications and costing analysis
- Supports operational related efficiency projects and initiatives
- Will develop analog and digital circuitry model data acquisition (A/D and D/A) systems, and digital electronic controls (thermal and motion) of instruments
- Play a key role in all phases of the product development cycle which includes requirement/definition, design and development, verification (such as unit tests) and traceability matrix, and transfer
- Will implement and document test cases to verify design and/or regression analysis
- Will be involved in fault isolation, troubleshooting, and root cause analysis activities during complex system integration and testing

Qualifications for staff electrical engineer

- Experience working with SW teams to develop work plans and interface requirements between HW and SW
- Experience debugging and designing for regulatory and agency compliance
- Experienced in international collaboration and global project work
- Expert knowledge and experience using various lab equipment (oscilloscope, logic analyzer, power analyzer, spectrum analyzer, network analyzer, etc)
- Interest to stay abreast of new technologies, market trends, changing customer needs, and strategies of competitors
- Experience with components used in RF distribution