



Example of Design Engineer Staff Job Description

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Our company is looking for a design engineer staff. Thank you in advance for taking a look at the list of responsibilities and qualifications. We look forward to reviewing your resume.

Responsibilities for design engineer staff

- Documents custom tools with specifications, schematics and mechanical layouts to support document control and tool release
- Documents activities, including designs and design concepts, to support successful project transfers from research to product development programs
- Stays informed and up to date on technological developments within the electrophysiology (EP) medical device industry and competitive environment to identify opportunities that align and support organizational strategy
- Produce airframe structural configuration layouts and detail designs including preliminary sizing/stress analysis, joint layouts, interface boundary definitions of parts and assemblies employing metallic and composite materials
- Create and maintain CAD solid models and drawings of installations, assembly and detail components that meet all requirements such as structural integrity, interface boundaries, weight and cost targets as directed by the project engineer
- Periodically review and check the product structure and BOM's of the team to insure fit, form, function of the structural components is maintained
- Conduct periodic design reviews as required to ensure designs meet the requirements
- Coordinate and collaborate with members of stress, manufacturing, procurement, quality control and other departments as required to mature the design from conception to production
- Create and maintain documentation that tracks team weekly progress status as it related to the Program budget and deadlines

Qualifications for design engineer staff

- Ensures that requirements translate accurately into design specifications (PDD/RS)
- Leads peer reviews of proposed design architectures and verification results and modifies architecture as needed to ensure useful, accurate, and timely feedback to stakeholders/customers
- Applies advanced understanding of process technology and architectural modeling to address design implementation challenges
- Networks professionally and interfaces effectively with industry forums to identify design engineering practices of potential benefit to Xilinx
- Leads experienced design engineers and mentors less experienced design engineers in implementation tasks to ensure compliance to specification, quality standards, and milestones
- Fully understands the implications of software on hardware design decisions