



Example of Power Design Engineer Job Description

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Our company is growing rapidly and is searching for experienced candidates for the position of power design engineer. Thank you in advance for taking a look at the list of responsibilities and qualifications. We look forward to reviewing your resume.

Responsibilities for power design engineer

- Drive innovation to optimize the power design
- Document the technical design spec
- Requires excellent verbal and written communication skills in the English language
- Work with System Engineer to allocate top-level requirements
- Power circuit protection and coordination
- It is related to Proto / pre serial / serial tools and processes
- He is responsible for ensuring that all the designs are released with proper process approval
- The holder is also the technical referent for the product line and is responsible for requesting the needed advanced development projects within his product line, in close relationship with the tooling team
- Finally, his duty is to grow best practice sharing and capture with other sites
- Ensure that he is always up to date with tooling guidance and rules

Qualifications for power design engineer

- Ability to perform mixed-signal simulation verification of PA and antenna interface subsystems
- Experience with CAD tools and frameworks from Keysight, Cadence or Mathworks for effective design verification of critical design parameters
- Knowledge and experience with electromagnetic simulation/extraction tools

- Experience with lab characterization of milli/microwave, RF, Analog, and/or Mixed-Signal RF Power integrated circuits
- Experience with bulk Silicon, RFSOI and SiGe technologies
- Minimum of 5 years of experience in design engineering with a primary focus on public utilities / pipelines / linear infrastructure projects