



Example of Power Design Engineer Job Description

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Our innovative and growing company is looking to fill the role of power design engineer. If you are looking for an exciting place to work, please take a look at the list of qualifications below.

Responsibilities for power design engineer

- Gaining an in-depth understanding of process technologies used
- Interfacing with test, product and applications engineers to successfully bring new products from initial concept through release to production
- Ability to find and fix complex integrated circuit problems in the laboratory
- Participate in the development of power conversion management systems and development of system solution for easy system install, commissioning, and maintenance
- Develop products from concept, through design, transition into manufacturing, and support associate product field problems
- Ability to develop power electronic circuit and topology simulations via Matlab/Simulink or Pspice, analyze simulation results and correlate with actual equipment operation
- Interface with various hardware on complex system integration tasks to achieve efficient, cost-effective product solutions
- Analyze, design, document, and validate designs
- Write engineering reports, requirement specifications, test plans/procedures, validation reports
- Ability to lead and mentor employees on a daily basis

Qualifications for power design engineer

- Proficient in Network and Data technologies to collect data from Electrical systems

- Able to be creative when involved on R&D subjects
- Master degree or above on mechanical engineering or related major
- 3 years or above work experience, experience on automotive field or power electronic is a plus