

## **Full Job Description**

Electronic Hardware Design Engineer

### **ESSENTIAL DUTIES AND RESPONSIBILITIES:**

#### *Design Responsibilities:*

1. Switching Mode Power Supplies, EMI, Filters for Aero systems like Converters, Inverters, motor controllers etc. We can also consider candidates from other domains like Auto, medical, and others, but should have relevant experience.
2. Circuit design experience with Hybrid Vehicles or Hybrid systems like Inverters, DC-DC converters etc.

### **JOB REQUIREMENTS:**

- Advanced knowledge of CAD.
- Strong experience with embedded systems design
- Familiarity with digital signal processing principles
- Knowledge of electrical/construction.
- Ability to read and interpret technical specifications and electrical blueprints.
- Experience with Analog circuits design: Filters, Low Noise Amplifiers, Op-Amps, etc. Working knowledge of Digital circuits design: DSP, Memory IC's , High Speed Buses, FPGA, etc.
- Printed circuit cards design and layout
- Circuits and systems simulation experience
- Experience with magnetic components (transformers, inductors) design and specifications
- Design for EMI compliance
- Strong hands on experience working in a lab or test environments
- Extensive experience with test tools: Oscilloscope, Generators, Power Supplies, etc.

**EDUCATION AND/OR EXPERIENCE:**

- High school diploma required. College level courses in electronics engineering.
- Job Type: Full-time

Experience:

- Electrical/Electronics engineering

This Company Describes Its Culture as:

- Detail-oriented -- quality and precision-focused
- Outcome-oriented -- results-focused with strong performance culture
- Stable -- traditional, stable, strong processes
- People-oriented -- supportive and fairness-focused
- Team-oriented -- cooperative and collaborative