



Job Description – Senior Electronics Engineer

Motiv is looking for a Senior Electronics Engineer. You would join Motiv's core technical team as the lead designer of electronics hardware for key components of our vehicular power control system. This would include circuit design, schematic capture, component selection, electrical simulation, and PCB layout. Other responsibilities include writing specifications and test plans, and designing, building, and using electrical test benches. You would also manage power electronics consultants for design of high voltage and high power subsystems.

Motiv is an early-stage startup, so we are looking for candidates that are ready and excited to be in an entrepreneurial role where they wear many hats. You should be able to exercise leadership and enthusiastic contribution across a wide range of technical and non-technical activities. You must be self-motivated and flexible on compensation, which will be based on experience and include some equity along with salary. Sorry, we are not able to support H1B visas at this time.

Tasks:

- Circuit/schematic design, component selection, and layout of:
 - Analog and digital embedded systems, including large BGA's
 - Isolated and non-isolated power supplies and power converters
- Simulation: power switching, gate drive circuits, analog and sensing circuits
- Component selection: discretes, passives, ICs
- Write and contribute to test plans, specifications
- Design, implement, and use test benches
- Manage relationships with electronics vendors and contract manufacturers
- Manage part-time power electronics consultants for design of high voltage (1+ kV) and high power (100's of kW) subsystems, which includes:
 - Bus bar and magnetics design
 - Switch topology selection
 - Component selection
 - Simulation
 - PCB Layout
- Work with power electronics consultants to integrate high power subsystems into electronics components

Skills Required:

- 2-5 years experience designing electrical systems
- PCB layout, schematic capture, circuit simulation
- Experience writing and designing to specifications and test plans
- Experience with high voltage (1 kV) and high current (500 A) systems and their safety implications is preferred

About Motiv Power Systems

Motiv is based in San Mateo, CA. We provide next-generation power management electronics and software for heavy electric-drive vehicles. Motiv's products make it easy to integrate new technology



components into heavy electric-drive vehicles and collect the data needed for efficient management of electric fleets. Motiv was recently the only small start-up in a select group of Advanced Truck Technology companies chosen by the CA Energy Commission for grants to build demonstration vehicles for next-generation truck technology.

Applications will be reviewed as they are received.

For more information, or to apply, contact
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