

Sr Embedded Hardware Design Engineer

About the Job

The successful Embedded Hardware Design Engineer at DE Design Works enjoys working in a casual collaborative team environment with other engineers and customers on a variety of product development projects which typically include custom hardware and software, wired and wireless communications technologies, control systems, and user interfaces. The team member is comfortable working independently and collaboratively on multiple projects, balancing priorities, designing complex analog, power, and high-speed digital circuits, and strives for continuous learning. The embedded hardware designer will define architecture, generate schematics, layout complicated printed circuit board assemblies and be skilled at trouble-shooting. This is a great opportunity to work with the latest technology and a world class team bringing products to life.

About the Company

DE Design Works is an engineering services firm specializing in napkin sketch to production product development with core competency in embedded firmware, application software development, printed circuit board (PCBA) hardware design, quick turn prototyping, pre-certification testing, and management consulting for scaling the manufacturing of electronic assemblies to volume production. DE Design Works (formerly Dave Engineering LLC) has been in business since 2002. We strive to provide our customers with innovative, high-quality solutions through the deployment of cutting-edge technology and services that exceed the customer's expectations. Our customers range from small to large corporations that represent industrial, commercial, medical, and military market segments. Through vertical integration of our skilled engineers, DE delivers complete designs with expertise in hardware, software, systems, and mechanical disciplines.

Desired Skills & Experience

Responsibilities:

Design and develop embedded software for microcontrollers and FPGAs, develop embedded hardware using schematic capture and PCB layout tools, support integration and testing of new products, and support pre-certification testing. Work with management, team and customers to develop and document requirements, procedures, and production documentation. Communicate regularly with customer. Some occasional domestic travel to customer locations may be required.

Qualifications:

Minimum of a bachelor's degree in Electrical or Computer Engineering is required. Strong communication skills are necessary.

Technologies:

Required: Extensive experience in PCB schematic capture, component selection, and PCB layout. Solid OrCAD and or Altium skills.

Desired: Experience in firmware programming or working with a team of programmers, systems engineers, technicians, and compliance engineers. Development of quality procedures, documentation, source control, design for manufacturing, SAE, IEC, UL, ETL, MIL-STD compliance. Expertise in: tools such as Excel, Altium, OrCAD Allegro, analog circuit design, Op Amps, filters, ESD/RFI/EMC compliance, RF wireless, high speed digital, BGA layout, power layout, optimum grounding and isolation techniques, and design for in-circuit automatic test are required. Experience in flex, rigid flex, organic and printed electronics, and advanced materials and process is desired.

Please email resume to hr@dedesignworks.com