

Cypress Envirosystems

<http://www.cypressenvirosystems.com>

Electrical/Hardware Engineer

Job# 01022013EE

To Apply:

Qualified applicants only: send email to jobs@cypressenvirosystems.com, and attach a resume in PDF or Word format.

Job Description:

Seeking a highly motivated Electrical Engineer to design embedded electronic circuits for innovative wireless sensing and control products. You will be involved from initial product conception all the way through to production ramp. Our current range of products are targeted at new types of industrial and commercial wireless sensing and control applications. Our embedded products include components such as mixed signal microcontrollers (8-32bit), several different wireless communication chips, USB microcontrollers, LCD controllers, ADCs, and CMOS image sensors. This position offers a unique opportunity to expand your engineering capabilities and to have a significant impact on the overall success of these new products and the company in general.

Cypress Envirosystems is a 6 year-old, securely funded, and rapidly growing company. The position reports to the VP of Engineering, and requires close collaboration with a team of engineers (software, firmware, systems, mechanical, QA, and manufacturing).

Job tasks will include:

- Overall system design and PCB schematic design and layout for products and associated tools
- Board bring-up, system integration, test and debug.
- Board re-work and small-scale prototype assembly tasks (electrical and mechanical)
- Design validation testing (verify critical design parameters and performance)
- Failure analysis of returned units
- Competitive analysis (tear-down, analysis, and measurements of competing devices)

Job Specific Requirements:

- Must be familiar with electrical engineering CAD tools
- Must have solid foundation in electrical engineering concepts, and be able to read and understand schematics
- Must be familiar with microcontrollers and embedded systems
- Must be familiar with common EE test equipment (oscilloscopes, logic analyzers, multimeters, data loggers)
- Must be competent with prototyping tools and soldering
- Must be willing and able to perform a wide variety of tasks
- Must have excellent communication and documentation skills; particularly technical writing and test procedures
- Should have knowledge and experience in wireless communication
- Some experience in firmware programming is a plus

Minimum Education & Work Experience:

- Must have at least a BS/BE in Electrical Engineering or Computer Engineering
- Must have at least 5 years of post-college work experience as an electrical engineer
- Must have completed work on at least one product through its complete life cycle

Company Profile

Cypress Envirosystems provides solutions to retrofit existing commercial buildings and industrial facilities for energy efficiency, auto-demand response, improved asset utilization and lower maintenance costs. Our solutions are based on our portfolio of innovative products, such as the Wireless Pneumatic Thermostat, Wireless Gauge Reader, and Wireless Steam Trap Monitor. Learn more about us at www.cypressenvirosystems.com.

Company Location

Cypress Envirosystems (Engineering Offices)
12230 World Trade Drive, Ste 200
San Diego, CA 92128

Compensation

Competitive salary, bonuses, stock options, and medical benefits offered. Compensation is based on applicable job experience, education, and job qualifications.

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