Sr. Hardware Engineer

ABOUT THE COMPANY
Persistent Systems is a growing business that develops Mobile Ad hoc Networking (MANET) wireless radio systems for US Government and commercial applications. The radios are typically worn on the person, mounted to manned vehicles, integrated into autonomous unmanned vehicles, or installed at fixed sites. The systems provide on-the-move data, voice, video, and situational awareness capability. Located in the heart of New York City, Persistent Systems is an exciting company that is passionate about delivering cutting edge products.

JOB DESCRIPTION
We are looking for talented Electrical Engineer with extensive experience in circuit designs for the battery powered devices and the high-speed (Gbps) digital components. The position involves the design, development, and initial fabrication of the electrical assemblies for next generation products and/or upgrades to current products. Responsibilities also include developing documentation, testing, and providing technical sourcing aid to the production group after production release.

EDUCATION:
Applicant must have BS in Electrical Engineering.

POSITION RESPONSIBILITIES
1. Define system specifications and provide system design documents.
2. Execute the circuit design and performance analysis, and create schematics.
3. Identify all necessary components and equipment to support the product design process.
4. Provide PCB layout guidance and work closely with layout engineer to complete PCB design.
5. Establish hardware and software test environments and infrastructure.
6. Develop the concept prototypes and conduct DVT to verify system performance.
7. Provide technical leadership for the developing projects at the 3rd party vendors.
8. Ensure all the developing tasks are delivered on time and within the performance, cost and reliability targets.
9. Manage the contract manufacturers for manufacturing the products.
10. Assist production group as needed.

QUALIFICATIONS / EXPERIENCE
• At least 5+ years’ experience with analog and digital circuit design.
• Familiar with high efficiency power supply design for saving battery lifetime.
• Familiar with methods of the design of high-speed hardware.
• Experience in electromagnetic capability (EMC) testing and design.
• Experience with Embedded Firmware Development in Assembly, C and/or C++ is desired.
• Knowledge of 802.11 standard and system implementation.
• Knowledge of audio/video decoders.
• Knowledge of FPGA modeling/simulation/development in VHDL is plus.
• Knowledge of Navy/Military environment qualification testing.
• Excellent task management skills and capable of handling multiple projects simultaneously.
• Good written and verbal communications skill are required.
• Strong analytical and problem solving skills are required.

**Applicant must have a security clearance or able to obtain a security clearance.**

EMPLOYEE BENEFITS
The total value of your compensation at Persistent Systems is worth significantly more than just a paycheck. Persistent Systems offers health insurance (medical, dental), and we provide multiple plans to suit individual needs. We also offer a matching contribution retirement plan and a flexible spending plan.
APPLY
Please send a resume and cover letter, and compensation requirements.