

Analog Hardware Engineer

Use your skills and experience to enhance your career with a growing company.

MANTARO NETWORKS INC. provides our clients a full portfolio of electronic engineering services ranging from turnkey product development to focused consulting solutions that can add value at any project stage. Mantaro's capabilities include requirements definition, architectural design, rapid prototyping, and new product delivery services. Our professional engineers have in-depth experience and proven success in designing hardware and software solutions for:

- Telecommunications systems and network interfaces - 64kbps to 10Gbps
- Wireless and RF transceivers and control systems - WiFi, microwave, & mobile cellular
- Optical communications systems - SONET, WDM and free space optics
- Broadband over Power Lines (BPL) systems
- Test equipment and software for carrier systems
- Microelectronics for transportation, industrial and consumer markets

We are currently seeking a highly talented **Hardware Engineer** that will thrive in a challenging work environment and enjoy working with our engineering professionals.

The successful candidate will engage in **Analog** and Mixed-Signal board level design and be involved in all stages of product development.

Requirements:

- Education: Bachelor of Science or Masters of Science in Electrical Engineering.
- Signal Integrity management –isolation/ coupling, ground partitioning/ integrity, line termination, EMI/RFI control, and noise management.
- Phase Locked Loop (PLL) design, Timing Recovery
- Power Supply Design – DC to DC and AC to DC
- Analog Simulation - Spice, etc.
- Board Level Implementation - Schematics, component selection, reliability
- Guide PCB implementation - Placement, signal integrity
- DC to 1GHz circuit design
- Low Noise Receiver Design
- System Modeling a plus - Matlab, etc.
- High Speed Digital Design a plus
- Digital Signal Processing (DSP) a plus
- RF design skills up to 5 GHz is a plus
- Technical Leadership roles are a plus
- FPGA and Discrete Digital Design is a plus

To apply, please send your resume to hrhw@mantaro.com. Put “Analog Hardware Engineer” in the subject line. Once reviewed, we will send you a detailed technical questionnaire and application to be completed and returned.

MANTARO NETWORKS is a growing company that offers competitive salaries, a generous benefits package, three weeks vacation per year, tuition reimbursement, medical, dental, LTD, life insurance as well as a 401k and stock options.