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Position opening at Aegis Lightwave, Inc.: Principal Firmware Engineer

Company Overview

Aegis Lightwave, a subsidiary of II-VI, Inc (Nasdaq: IIVI) is a technology growth company with revolutionary products, serving an international base of customers and very solid financials. Aegis' world-class team of employees develop and manufacture products for the video, data communications, telecommunications and other fast growing markets. Aegis is the first company to deliver low-cost wavelength-monitoring products that are enabling service providers to cost effectively deploy high bandwidth video services such as High Definition TV, IPTV, and Video-on-Demand. The company is the first in the industry to commercialize tunable thin-film filters that are easily manufactured using proven methods from the semiconductor industry and has filed more than 20 patents on the Active Thin Films™ technology platform and its applications. Visit our website at www.aegislighwave.com.

Role and Responsibilities:

The Principal Firmware Engineer will be responsible for Project Management of Optical Component Systems and Sub-Systems products under the direction of the Executive Director of Engineering. This role shall include the following:

- Leadership/Management role in the Firmware Development Team
- Manage development and modification of existing Aegis module firmware to support new customer specifications
- Principle Firmware Architect for Next Generation platforms
- Implement drivers to control module hardware; integrating hardware and firmware
- Develop robust O/S, user interface, and control algorithms
- Integrate high-level signal processing algorithms into firmware
- Building of FW tools to support development and transfer to production
- Working in collaboration with the engineering team to ensure synchronization of coding efforts with design specifications
- Commercialized product engineering support, including design, analysis, and debug of digital electronics and embedded firmware
- Documentation of design specifications, test plans, and test reports
- Assisting with Request for Quotation (RFQ) responses and technical assessments of electronic designs, as required.

Experience and Education:

- 6+ years of experience in embedded DSP firmware development with digital design experience, preferably in optical telecom subsystems
- Excellent C, C++, assembler programming skills; experience with Java desired
- DSP, micro-controller, and embedded programming experience
- Capable of verification of electronic and real-time firmware performance to specification. Relevant experience with all facets of firmware and hardware development processes
- Excellent verbal communication, writing, and analytical skills are a must
- Efficient self-management skills are essential
- Experience developing automated test tools desired (e.g. Java, Labwindows, Labview)
- Demonstrated proficiency in leading small technical teams
- M.S in Electrical Engineering

Additional Information:

- Position type: full-time
- Location: Woburn, Massachusetts
- Salary: will be commensurate with experience
- Benefits: Aegis offers a comprehensive benefits package that includes health and dental plans, a 401(k) plan, employer sponsored disability and life insurance.

Aegis point of contact:

jobs@aegislighthouse.com