

Posting 18092009FE

Embedded/Firmware Engineers

Who We Are:

Icelight Solutions, a company with both engineering and marketing expertise, specializes in helping companies with new product introductions including market research, product positioning and product development.

Job Responsibilities:

We are looking for embedded/firmware Engineers responsible for firmware development for 3D imaging and video distribution system. Your responsibilities including but not limited to:

- Implementation, design, documentation, integration and testing 3D imaging and video distribution firmware.
- Porting RTOS/BSP such as embedded Linux to TI/Intel processor based platforms and developing device drivers.
- Preparing and maintenance of technical documentation for project team and client deliverables.
- Maintenance, performance tuning, and support of implemented firmware
- Play a key role in firmware tooling decisions.
- Bring expertise in firmware development methodologies and best practices.

Job Experience Requirements:

- 5+ years of firmware development experience in RTOS environment such as embedded Linux, DSP BIOS
- Working experience of video codecs such as H.26x, MPEG4
- Experienced programmer in C/C++/Assembler, system APIs, multi process/thread programming
- Experience of Fast USB 2.0, PCIe, HDMI, flash storage, RAM file system, LCD and Ethernet controllers
- Experience of processors such as TI OMAP & DaVinci, Intel IXPxx, and Single board computer
- Knowledge of USB 3.0, Stereoscopic 3D, Depth Map Algorithms, OpenGL, DirectX, CUDA, TCP/IP networking, and application level protocol is an asset
- Experience in mobile/portable device development, and Agile methodology is also an asset
- Excellent problem solving and troubleshooting skills
- Capable of switching focus in fast changing situations and quickly learning and adopting new methodologies

Educational Requirements:

- Post Secondary education in Engineering, Computer Science or related field.

Response Information:

Please email your cover letter and resume to hr@icelightsolution.com, quoting the job title in the subject line.