

## **Posting 18092009DE**

### **Senior DSP 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 DSP Engineers responsible for DSP firmware development for 3D image processing and video distribution using the latest state-of-the-art DSPs and tools. Your responsibilities including but not limited to:

- 3D image processing algorithm design and research
- Implementation, design, documentation, integration and testing of 3D image processing and video distribution system components.
- Preparing and maintenance of technical documentation for project team and client deliverables
- Maintain and document code using source control system
- Maintenance, performance tuning, and support of implemented firmware products
- Bring expertise in DSP development and tools.

#### **Job Experience Requirements:**

- 5+ years of DSP firmware development experience
- Working experience of DSP algorithms and methods
- Working experience of video and voice codecs such as H.26x, MPEG4 and G.7xx
- Solid software skills in C/C++, MATLAB, OOD, RTOS
- Working experience of designing real time applications under Linux
- Experience of processors such as TI OMAP & DaVinci and Intel IXPxx
- Knowledge of Stereoscopic 3D, Depth Map Algorithms, OpenGL, DirectX, TCP/IP networking, and application level protocol is an asset
- Experience of single board computer, Windows/Linux/Mac 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](mailto:hr@icelightsolution.com), quoting the job title in the subject line.