**Employment Opportunity**

**Position**: Embedded Systems Developer

**Location:** Nanaimo, BC

**Job Category:** Engineering/Software/Technical

**Company:**

Tofino Security (a subsidiary of Belden Inc.) is an internationally recognized team of security, software development and control systems professionals dedicated to defending critical Supervisory Control and Data Acquisition (SCADA) and industrial control systems from cyber attack. We provide specialty security technologies to major energy companies, power companies and government security agencies for the cyber protection of critical applications such as public water systems, oil pipelines and transportation systems.

**Position Description:**

Our core security appliance is based on embedded Linux. We are looking for a senior developer with a broad base of experience in development in C/C++ on the Linux platform. The following skills (in priority order) are desirable:

* Strong C/C++ skills including: Sockets, Multi-Threading, IPC, Signals, Packet Inspection.
* Understanding of Network Security (especially IPtables, Ebtables, Arptables).
* Linux Kernel Development Experience (Netfilter, proc fs, sysfs, char drivers).
* Excellent Linux internals understanding of sysV, boot order, boot loaders.
* A working knowledge base of the 7 Layer OSI model.
* Cross-compilation experience (ARM, PowerPC, MIPS).
* Knowledge of Modern Cryptographic Ciphers – Symmetric and Asymmetric
* Experience with Authentication and Certificates (PKI)
* Porting existing software to new hardware/architecture.
* Shell scripting (Bash, Csh).

Your initial responsibilities will be the development of modules for the Tofino Security Appliance. This includes system design, code development, documentation, unit-tests, code-reviews, and bug-fixes. Depending on your skill level, this will evolve into leading a team to develop new product modules for the Tofino Industrial Security Solution product line.

You should be a good team player that works well on joint development efforts, as this is a multifaceted project. You should also understand processes for creating systems that are highly reliable. Having a good knowledge of network security is desirable but not essential. You should be prepared to work on projects that are truly cutting edge, interesting and mission critical for our clients. Finally, you should want to work for a rapidly growing company that strives to maintain a work environment that is fun and supportive, with plenty of opportunity to continue learning.

**Response:**

Please respond to [careers@tofinosecurity.com](mailto:careers@tofinosecurity.com) with a cover letter and resume.