

## Software Developer (Linux)

### Description:

Motion Metrics International is a high-tech private corporation located on the campus of the University of British Columbia that designs, develops, and deploys advanced monitoring solutions for heavy-duty industries. Our products combine custom-designed rugged hardware and “embedded + cloud-based” software to address some of the most challenging problems in the mining industry by using imaging and other sensor technologies.

### Responsibilities:

- Work with team members to prototype, design, implement, and document product features.
- Write well-documented, high-performance, reliable, maintainable code.
- Develop software modules to specification.
- Test and validate software.
- Maintain and debug low-level issues with our Linux distribution and drivers.

### Requirements:

- Computer Engineering, Computer Science or related degree.
- Minimum 2+ years of experience.
- In-depth knowledge of Linux, Linux distributions, and Bash.
- Experience developing and debugging Linux kernel modules/device drivers.
- Experience debugging with Linux development tools (gdb, valgrind, strace, perf, etc.).
- Strong proficiency with C++11/14/17 programming language.
- Understanding of OO design, algorithms, and data structures.
- Experience with multithreaded programming.
- Familiarity with version control systems such as git.

### Beneficial:

- Prior experience with Linux Kernel development.
- Experience with any of the following: CMake, Conan, Boost, OpenCV, TensorFlow, Qt.
- A linked portfolio or github.

**Motion Metrics International Corp offers a generous compensation package and benefits, as well as a fun and driven work environment and culture. Interested candidates please submit your resume with cover letter to [careers@motionmetrics.com](mailto:careers@motionmetrics.com). Due to the high volume of applications we receive, only those selected for an interview will be contacted. Thank you.**