



Background

Kron Technologies is an emerging technology company that has grown from its Kickstarter origins to develop innovative cameras that have disrupted the world of high-speed video cameras. We're looking for more talented individuals to join us as we design, develop, and manufacture world-class imaging products. Our employees enjoy flexibility, freedom, great colleagues, a positive work/life balance, and stimulating technical challenges to solve.

We're located a short walk from the Production Way/University Skytrain station, and a 5-minute drive from the Highway 1, Gagliardi Way Exit.

The Opportunity

This full-time position is an opportunity to work in a technology company that is reshaping the world of high-speed cameras. You will be challenged daily with the development of the software architecture that empowers our cutting-edge hardware to see the world in high-speed. If you thrive in an environment that is small, nimble, and focused on pushing the boundaries of the underlying system architecture, this is the place for you.

This role is central to our development efforts and will have broad responsibilities, including:

- Evaluating software architecture requirements for new products
- Creating and documenting camera control software from register-level interactions to APIs
- Researching, designing, and implementing imaging-related algorithms, such as video compression, color correction, dead-pixel correction, etc.
- Writing, modifying, and optimizing drivers for high-speed data transfers
- Quickly picking up new concepts and implementing proof-of-concept designs in various languages
- Working with the FPGA team to specify the requirements of IP cores

Required qualifications

- Master's degree in Electrical or Computer Engineering (or equivalent experience)
- Clear, robust, and well commented coding style
- Excellent verbal and written communication skills
- Strong understanding of C/C++
- Good knowledge of Python, Tcl, or similar scripting languages
- Experience with ARM-based SoCs and Embedded Linux
- Familiarity with source control systems
- Excellent troubleshooting skills
- Team player able to work well and contribute effectively with different groups
- Passion for technology innovation!

Desired qualifications

- Experience using Verilog or VHDL to implement or modify IP cores for FPGAs
- Knowledge of cameras, image processing pipelines, and/or compression algorithms
- Experience with PCIe, LVDS, and other high-speed data transfer interfaces
- Experience with hardware debugging and digital design



KRON
TECHNOLOGIES INC

Senior Software Engineer – Full Time
Production Way, Burnaby
krontech.ca

Perks, Compensation and Benefits

As a full-time employee, you'll receive a salary commensurate with your capabilities and experience. We offer a comprehensive benefits package including extended health, dental, and travel medical insurance, Healthcare and Lifestyle Spending accounts, positive work/life balance, and a professional development allowance.

In addition, we have a complete electronics lab and machine shop, which you're welcome to use in off-hours for personal projects.

To apply, send your **resume** and a **cover letter** indicating why you are an excellent fit for the role to jobs@krontech.ca. We look forward to hearing from you!