Hardware / Firmware Engineer

At **Rivercity Innovations**, our mission is to become a world leader in IoT monitoring technologies. We are a high growth company scaling fast by saving our customers across the world time and money by delivering them IoT solutions. IoT is a fast-moving industry, and we are a market leader using LoRa communication to address market needs not met by conventional technologies. A few of our fastest growing products include cold-chain monitoring, last-mile delivery, and GPS tracking.

We have a very exciting opportunity for a Hardware/Firmware Engineer to join our team and help take us to the next level. This is an in-office role based in Saskatoon, Saskatchewan.

What you'll do:
- Work with the engineering team to design, build & test new IoT sensors.
- Write firmware drivers & application code for successful operation of the IoT sensors.
- Help maintain and improve our existing software applications & IoT sensors.
- Write scripts to automate manual tasks.
- Constantly improve our software and server reliability
- Assist the customer support/experience team with escalated problems with our hardware and software.

What you'll have:
- Bachelor's degree in a relevant field (e.g., Computer Science, Engineering) or equivalent practical experience.
- IoT product design experience (KiCad, Altium, or others) including Device Firmware Design
- Programming Experience with ties into firmware design.
- PCB design including understanding of RF design is required, experience with LoRaWAN is an asset.
- Experience with Linux and the Linux terminal
- Enclosure design experience would be an asset
- Strong ability to debug and solve problems

Technologies we use:
- Microsoft Azure & AWS (Such as Virtual Machines, RDS Databases, etc.)
- Python, NodeJS, PHP, SQL, Golang, C, C++
- KiCad
- MQTT, REST, SQS
- Remote Linux devices and remote management tools
- LoRaWAN communication
- Bash scripting

Most importantly, you will have the desire & willingness to learn, improve your skills, and ultimately have fun with the team – Culture is very important to us. At **Rivercity Innovations**, you will grow your career through exposure to a wide variety of tools and skills!

We have many great perks including:
- Office in the beautiful Innovation Place next to the U of S campus
- Casual dress
- Very fun, supportive, and inclusive culture
- Competitive health/dental benefits plan, life insurance
- Personal spending account
- Parking pass
- Free Fitness Facility
- Paid time off

If you fit our requirements and are excited about this opportunity to get in on the ground floor of a fast-growing company, then we will look forward to receiving your application!

To apply for this position, please email your resume to cheryl@rivercityinnovations.ca