



Embedded Software Developer

Job Type: Permanent, full time

Location: Kitchener, Ontario

Experience: 2 years embedded software development experience

The Company: Alert Labs is innovating in the IoT (Internet of Things) space. We build affordable, simple to deploy and reliable sensor networks targeted at protecting our customers' homes and properties. We bring the benefits of IoT to customers of all technical levels. By being thoughtful and elegant in our design, our products are friendly and easy for anyone to use.

We are passionate about what we do and are driven to create great solutions. We value results, not hours worked. We offer a flexible work schedule that allows you to maintain a health work/life balance without sacrificing your personal life or delivering ordinary products. We believe that innovation comes from every member of the team and that the best designs combine technical skills with creativity to achieve great results. We provide an open environment that will allow your job to grow with you.

The Opportunity: As an embedded software developer, you will be creating low-level software for IoT devices. You'll program mesh networks, read data from sensors over I2C, develop error correction and filtering algorithms, and come up with efficient ways to push our data into the cloud. Eventually, you'll also do some of the low-level work on the other side, building up RESTful endpoints for the sensors to talk with.

There's never a dull day at Alert Labs and with a whole stable of upcoming product releases, that's never been more true than right now. Over the next year, we plan to finalize sump, brine, power, furnace, and flood monitors and you'll be a key part of the process.

We are looking for developers who can create well-designed, testable, and efficient code for all parts of the system. We value developers who are enthusiastic, engaged, and eager to work in a team committed to delivering industry-leading products and software.

Required Skills:

All of:

- A solid understanding of C++
- Experience programming in an embedded environment
- Self-starter with ability to take on large independent projects
- Experience collaborating with electrical engineers (or being the electrical engineer!) on projects
- Excellent written and verbal communication skills

At least one of:

- Experience with network communication (TCP/UDP/HTTP)
- Understanding of embedded protocols (I2C/SPI)
- Working knowledge of RESTful APIs
- Experience with sensors of various types (accelerometers, temperature, ultrasonic, infrared)

Nerdy t-shirts are an asset.

Some Additional Benefits:

- We are located in vibrant and fun downtown Kitchener, immediately across from the bus station
- We keep a cupboard stocked with free snacks and a fridge full of drinks
- We have regular happy hours (wide range of options)
- We offer a benefits package that starts on your first day and have a flexible vacation policy
- Don't worry about dressing up for the interview – we believe you perform your best when you are comfortable
- Experience is experience – whether it is full time or co-op. We encourage new graduates with interesting or relevant co-op placements to apply

If you are interested in applying for this role, please forward your resume to: joinus@alertlabs.com. Please include the job title in the subject line of your email.

We thank all applicants for their interest; however only those selected for an interview will be contacted. We are an equal opportunity employer.