

Senior Embedded Software Developer



BINSENTRY

Phone :

Web :

Job Summary

Vacancy :

Deadline : Oct 30, 2024

Published : Sep 30, 2024

Employment Status : On-site

Experience : Any

Salary :

Gender : Any

Career Level : Any

Qualification :

Job Description

Job Title: Senior Embedded Software Developer

Location: Kitchener, Ontario, Canada (In-person)

Company: BinSentry

About BinSentry:

BinSentry is an extremely fast-growing ag-tech company started here in KW. BinSentry is focused on providing solutions for the agriculture supply chain that help increase efficiency, reduce costs, and enhance profitability. As a leader in the use of artificial intelligence, BinSentry offers technology solutions that pair best-in-class optical sensors with user-friendly software to provide our customers with enhanced forecasting and decision-making capabilities.

With our technology, feed mills and protein producers are enhancing feed ordering efficiency, raising healthier animals, improving employee safety, reducing their environmental footprint and - most significantly - uncovering new savings. Today, BinSentry is monitoring more than 20,000 bins in real time across North America. When it comes to the future of agricultural supply chain management, BinSentry is leading the way. For more information visit www.binsentry.com.

As we scale up, we're looking for a **Senior Embedded Software Developer** to help us build the embedded software that is changing the face of the feed industry.

Job Summary:

The ideal candidate will design, develop, and maintain software for embedded systems, working closely with BinSentry's hardware team to ensure seamless integration. You will write embedded C for the microcontrollers which drive our feed bin sensors using FreeRTOS. You will drive our embedded Linux project using Yocto and writing Python code. You will be responsible for writing power-efficient and reliable code, conducting system debugging, and optimizing performance. You will work across our entire product line, including writing software for brand new hardware projects.

Qualifications:

- **Bachelor's degree** in Computer Engineering, Software Engineering, Computer Science or related field (or equivalent experience)
- **5+ years** working professionally writing software for embedded devices
- Proficient in writing mission-critical **C** or **C++**
- Proficient debugging hardware issues
- Not afraid to jump in and solve an issue with an oscilloscope
- Experience with **FreeRTOS** a plus
- Experience with **AWS IoT ecosystem** a plus
- Experience working with **embedded Linux devices** a plus
- Experience working with **Yocto** a plus
- **Python** proficiency a plus
- **JavaScript** proficiency a plus
- Computer vision experience a plus

Benefits:

- Company-paid group health and dental benefits plus your choice of an annual HSA or PSA
- Competitive compensation and an equity package
- Awesome company events
- Be a part of a team of talented and friendly senior-level developers.

[Apply for this job](#)

Education & Experience

Must Have

Educational Requirements

Compensation & Other Benefits
