Embedded Firmware Engineer

About LifeBooster

Every day millions of people put their lives and livelihood on the line when they go to work in order to support their communities and their families. It is time to give back to all of those who build our cars, keep our homes warm and lit, and who keep the world turning. At LifeBooster, we are delivering on the future of health and safety to ensure that every one of those workers gets home safe every day.

As a recognized leader in connected worker and risk analytics technology, our predictive analytics platform, Senz, evaluates workplace risk using wearable sensors and advanced analytics to detect the potential for workplace injury due to behavior, work processes and environmental conditions within industrial work settings. Partnered alongside world leaders in performance apparel and worker health and safety, LifeBooster is actively addressing this global issue and wants you to join our team on our mission!

Our mission-focused, tight-knit team is driven by a culture that is both collaborative and caring. We take a people-first approach to our business which means your work will directly and significantly improve the physical and mental health of hard-working people on a global scale.

We are looking for a passionate, innovative and strategic technology professional who can lead our firmware team in building a scalable, efficient, and robust foundation for our platform. Our ideal candidate is excited about joining a market driven scale-up and values honesty, ownership, and respect.

About You

You are self-motivated, detail oriented, and process driven, with the ability to work in a fast-paced, sometimes ambiguous work environment. You stay accountable for the work you do; you own up when it doesn't go as planned and celebrate with your team when it does. You respect differences of opinions, willing to challenge but also fully commit to team decisions. You value candor and you believe you have a sense of humor.

About the Role

We are currently seeking an Embedded Firmware Engineer with strong secure Network, RTOS and battery powered embedded development experience to join our growing engineering team. The Embedded Firmware Engineer will help us with the creation of cutting edge smart garment and wearable devices -

critical components to our health and safety analytics platform.

Key Responsibilities

- Planning, developing and implementing firmware
- Maintaining stable firmware
- Gathering and analyzing requirements from customers
- Performing code reviews
- Present innovative ideas for product and process improvement
- Present information and effectively communicate with managers and cross-functional team members
- Writing and maintaining firmware documentation
- Testing firmware releases
- Working closely with customers to resolve issues
- Providing technical support and training to the firmware development team

Required Experience:

- Bachelor's or master's degree (preferred) in Computer Science, Computer Engineering or Electrical Engineering, or equivalent
- Minimum 5+ years of experience in firmware engineering and embedded systems development of enterprise-grade products
- Experience in developing and debugging firmware and verification teams in an Agile/Kanban environment
- Proficiency in programming languages
- Experience in implementing
  - Battery powered FreeRTOS embedded systems
  - Networking/WiFi/Bluetooth
  - Transfer protocols TCP/IP, HTTPS, FTP
  - IoT device management (Azure IoT Hub preferred)
- Experience in Python scripting
- Knowledge of WICED Stack a plus
- Strong C language programming and aptitude for debugging embedded system issues
- Proficiency with relevant tools like JIRA, GitHub

- Excellent analytical, problem solving, and interpersonal skills
- Strong multitasking skills
- Ability to work under pressure
- Strong organizational skills
- Ability to work well in a team environment

Benefits

We are a mission driven organization that is intent on making a positive impact in the world. We have a casual and flexible work environment providing a superior work-life balance. We offer competitive compensation with a total rewards package that includes equity, bonuses, comprehensive benefits and generous paid time off to name a few perks. You will be part of a lively and supportive team that recognizes and celebrates each other's wins.

Contact hr@lifebooster.ca to learn more about this exciting opportunity and to apply!