

Software Engineer, IoT

Bravo LT needs you to be a part of our highly motivated group of technology experts. We share a passion for technology and the community we serve, and we are committed to building long-lasting, productive relationships. We focus on giving back to the community, positively impacting society, and providing quality solutions that work. We believe in *autonomy*, *mastery* and *purpose* and in trusting people to do the right thing - and we think Bravo LT is a pretty great place to be a part of.

You will be part of a dedicated agile product development team focused on creating IoT (Internet of Things) solutions. You will work with an external client to remove technical barriers of embedded IoT Bluetooth and WiFi solutions. You will work with your team on implementing wireless protocols, software development kits, and applications for consumer products. You'll use WiFi, Bluetooth, 802.15.4, and proprietary protocols.

Responsibilities

- Oversee quality design and build of an IoT platform; AWS that will collect data from physical products
- Develop in Embedded C, C++, or Python for microcontroller-based and wireless applications
- Participate in new custom software development, code reviews, and product launches
- Troubleshoot, reproduce and solve challenging operational issues in complex connectivity and cloud environments
- Work on critical, highly complex IoT problems
- Design and deliver IoT Proof of Concepts (POC) modules
- Create drivers for hardware and peripherals

Desired Experience

- Several years of experience developing embedded applications in C or C++
- Familiar with embedded operating systems and SDKs (e.g. Zephyr, FreeRTOS, nRF SDK, ESP-IDF, Arm® Mbed™, Arduino)
- Familiar with micro-controllers, such as ARM Cortex-M
- Experience with IoT devices
- Strong analytical and innovative problem-solving abilities
- Excellent written and verbal English communication skills
- Knowledge of wireless protocols and applications
- Real-time operating systems

Desired Education

- Bachelor of Science or Master of Science in Software Engineering or equivalent program

Location: Grand Rapids, MI

To apply, please visit the Bravo LT Career Opportunities webpage at: <https://bravolt.com/careers/>