SENIOR FIRMWARE DEVELOPER

Posting ID: EM1851342F
Company: Breadware
Position Type: Full-Time
College Major(s): Electrical/Computer Engineering (EE/CpE), Computer Science (CS)

Company Website: https://breadware.com/
Work Location: Reno, NV
Salary: DOE
College Level(s): Graduate Student, Alumni

OVERVIEW

Internet Of Things (IoT) is beyond the hype cycle now, but companies are still failing to develop IoT products on schedule and budget because IoT product development is known to be complex (several parties and resources), expensive (typical 6 to 7-figure budgets), and lengthy (9-month development cycle, minimum). This problem is going to compound further as more and more applications of IoT are being discovered rapidly. Breadware’s IoT Product Lifecycle Management (PLM) Platform has been crafted especially for enterprise customers launching IoT initiatives as a one-stop shop for all IoT product development needs including product development as well as program management. The novel Breadware IP built into our PLM platform significantly reduces typical IoT product development timelines, providing an efficient and intuitive path through new product introduction.

Roles and Responsibilities

Working with Breadware’s fulfillment team, the Senior Firmware Developer is responsible for the firmware design, documentation, and implementation for a wide variety of wireless-based client projects. An initial trial project will be selected for the firmware developer, with the firmware developer handling all firmware responsibilities.

- Clearly define project requirements with various client stakeholders.
- Produce detailed documentation and flow/state charts to share with internal and external resources.
- Work closely with hardware developers to coordinate implementation of firmware.
- Provide weekly status reports and clearly communicate any risk factors during development.
- Propose and define a set of coding standards and environments to use based on individual project requirements.
- Implement robust code in C/C++ according to client specifications.
- Highlight ways to improve firmware user experience based on conversations with the Breadware team and client.
Education and Qualifications

- 5+ Years of Embedded Firmware Development
- Self-starter and finisher – ability to work under minimal supervision
- Strong communication and problem solving skills
- Goal oriented and ability to work with cross functional geographically distributed teams
- Experience in writing readable and reliable firmware across a wide array of microcontrollers
- Excellent understanding of Object Oriented Principles
- Excellent coding skills in C and C++
- Familiarity with using an oscilloscope, multimeter, and other electrical diagnostic tools as necessary
- Understanding of electrical schematics/data sheets

Preferred Skills

- Coding experience and understanding of Cellular Modems, Bluetooth Low Energy and Wi-Fi
- Experience using GIT for source control
- Familiarity with IoT sensors
- Working knowledge of firmware OTA upgrade procedures
- Experience with embedded Linux

How to Apply

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