

Position Description: Firmware Designer

Intellimeter Canada Inc. specializes in “Delivering Energy and Utilities Cost Information”, through advanced smart metering solutions. Our systems offer secure revenue class data collection plus the advantage of segregated data integration for Building Management Systems to support GREEN energy initiatives and LEED programs. Intellimeter offers accredited metering solutions through our in-house certified sealing and R&D facilities. Intellimeter delivers value-added web-based solutions allowing Global Access to monitor the usage of Water, Electricity, Gas, Heating, and Cooling utilities remotely.

Intellimeter offers a fun, fast-paced work environment, where you will be an important member of the team. As a Firmware Designer, you will work under the supervision of an engineer, to become an expert in setting up hardware, programming functionality and integrating communication capabilities to new products, assisting the Research and Development efforts, and collaborating with other members of our team in the testing and field deployment of prototypes. As a Firmware Designer you must be able to identify and provide reliable and efficient solutions for all technical issues in new developments to ensure complete and successful deployment.

We are looking for a talented and competitive individual that thrives in the quick cycle environment of sub-metering and virtual energy management systems. you will play a fundamental role in achieving our ambitious development program to support our revenue growth objectives. The successful candidate must be comfortable in a hybrid environment where uncertainty in design is prevalent. As well with working with engineers and managers of diverse cultural and ethnical backgrounds

Responsibilities:

Coding, testing and debugging new firmware of an energy measuring device
Coding, testing and debugging new firmware of an standard industry communication module to be added to the measuring device.
Coding, testing and debugging of a web- application to access and customize the device.
Develop code to solve technical requirements related to measuring equipments/device.
Develop user interfaces.
Develop code to solve complex data modeling issues, such as software error compensation or correction.
Test, and debug code for wireless communication ASICs.
Development of user manuals and other product or tool documentation

Requirements:

- Familiar with Microchip and Atmel microprocessors, I2C/SPI buses, JTAG, ADC,



- Familiar with Standard Industry Communication protocols, such as ModBus RTU, BACnet, etc.
- Knowledge of RF Communication
- Capable of computer maintenance and network set-up
- Proficient with Troubleshooting skills
- Excellent verbal and written communications skills
- Ability to prioritize, and manage time effectively
- Education - diploma/degree in computer science or electrical engineering or equivalent
- Experience - A minimum of 2 years of work experience in a software development environment.
- Programming Languages – ANSI C, C#, JavaScript

Pay:

- This is a permanent position paying a competitive salary. benefits, plus a bonus plan based on the successful completion of specific goals.

APPLY:

<https://share.hsforms.com/1nxcUnZ4LSSmVMyoWnSTNDQ2zf68>

