

RemoteCon Careers | Halifax, Nova Scotia, Canada

RemoteCon Limited · info@remotekon.ca · www.remotekon.ca

Job Description

Embedded Systems Developer

Engineering · Full-time · In-person · Halifax, Nova Scotia

About RemoteCon

RemoteCon designs and manufactures rugged smart electronics for subsea and remote environments, including rechargeable subsea battery systems, embedded AI computers, autonomous marine monitoring systems, and power electronics. Our products are deployed worldwide in demanding ocean environments where reliability is critical.

The Role

We are looking for a hands-on Junior Embedded Systems Developer to join our engineering team. You will develop embedded firmware, test and verify hardware, debug complex embedded systems, and support the development of next-generation products from concept through production.

What You'll Do

- Develop embedded firmware in C for STM32 microcontrollers.
- Write Python tools to support testing, manufacturing, and automation.
- Perform board bring-up, debugging, and hardware verification.
- Use laboratory equipment including oscilloscopes, logic analyzers, spectrum analyzers, power supplies, and multimeters.
- Support system integration, validation, and production testing.
- Prepare clear technical documentation and test reports.
- Work closely with hardware and mechanical engineers throughout product development.

What We're Looking For

- Degree or diploma in Electrical, Computer, or Software Engineering, or equivalent experience.
- Experience programming embedded systems in C.
- Experience with STM32 microcontrollers.
- Experience using Python.
- Strong debugging and problem-solving skills.
- Hands-on experience using electronic test equipment.
- Good technical documentation skills.
- Ability to work independently and as part of a small engineering team.

Nice to Have

- Embedded Linux development.
- RTOS experience (FreeRTOS or similar).

- Knowledge of communication protocols such as UART, SPI, I2C, CAN or RS-485.
- Basic hardware design and schematic review experience.
- Git version control.

Additional Information

- Full-time, on-site position (no remote or hybrid work).
- Must be legally authorized to work in Canada.
- RemoteCon does not provide visa sponsorship or immigration assistance.

How to Apply

Apply through our Careers page or email your CV and cover letter to info@remotecon.ca with 'Embedded Systems Developer' in the subject line.