



Senior Embedded Firmware Developer

Company Description

4iiii Innovations Inc. is a Canadian sports technology company based in Cochrane, Alberta. 4iiii Innovations Inc. is a diverse team dedicated to improving personal performance through the development of superior training tools, including cycling power meters, heart rate monitors, and cycling trainers for the outdoor and indoor cycling and fitness markets. The company seeks to build not only the best and most accurate equipment but to do so at an affordable price so that every athlete can gain the benefits of better training. We're seeking a **permanent full-time Senior Embedded Firmware Developer** to join our team in Cochrane, Alberta.

4iiii Innovations offers a competitive salary, a group health benefit plan and a fun, athletic work culture.

Role

The role of the Senior Embedded Firmware Developer is to deliver organized and logically structured code to support our new sports technology development. This vital role will include new product development from the ground up, supporting current technology, and mentoring and knowledge sharing with the current 4iiii engineering team. The successful candidate will be required to develop a comprehensive understanding of the 4iiii's product line and address technical challenges efficiently. A passion for sport, health and fitness is considered a strong asset.

Responsibilities and Duties

- Develop, test and debug new embedded code for fitness focused products
- Perform code reviews with peers
- Manage projects and present scheduled updates
- Address variances and corrective actions
- Identify opportunities for time and cost savings
- Relay product improvement opportunities to the engineering team in a clear and concise manner
- Have fun learning, exploring and contributing to a dynamic team
- Mentor, enrich and share strategic approaches to firmware development with the team
- Achieve solid fundamental understanding of current power meter code within 1 month

Qualifications and Skills

- Proficiency in C or C++ with a minimum of 5 years direct experience
 - Experience in nRF52 or STM32 microcontrollers a strong asset
 - Real time operating systems in embedded applications (FreeRTOS, Zephyr)
- Strong understanding of version control using git
- Working knowledge of Bluetooth and other wireless technologies
- Degree in computer sciences or electrical engineering (or related post secondary education)
- Demonstrable project management experience
- Demonstrable aptitude for problem solving



INNOVATIONS INC.

- Demonstrable passion for health and fitness

Additional Details

- This position reports to the Director of Engineering
- 4iiii is based in Cochrane AB, however currently all non-manufacturing staff are working from home
- We strive to be a lean, energetic team who are all passionate about health, wellness and cool tech!

Please apply via Indeed with a cover letter and resume. We thank all applicants for their interest, however, only those selected for an interview will be contacted. For more information please visit www.4iiii.com.