

Embedded System Designer

Organization: Rockland Scientific International Inc. **Sector:** Ocean Science & Technology
Address: 520 Dupplin Road, Victoria, B.C.,
Canada, V8Z 1C1
Position Title: Embedded System Designer **Department:** Engineering
Reports To: Engineering Manager **Location:** Victoria, BC
Position Type: Full-time Permanent

Company Overview

Rockland Scientific Inc. is a growing, privately held company, with headquarters in Victoria, British Columbia, Canada. Our core purpose is to enable scientific progress by creating novel & technologically superior oceanographic measurement solutions that help scientists understand mixing & climate change. Our customers are researchers within the fields of oceanography and limnology, focusing on climate research, deep-sea research, and coastal zone dynamics. Rockland is the foremost manufacturer of turbulence measurement systems for oceans, rivers, lakes, and laboratories, and we pride ourselves in being the experts in our field. Rockland solutions enable our customers to be successful in their data collection goals.

At Rockland Scientific, we welcome all ages, races, gender identities, sexual orientations, cultures, religions, and beliefs. Our commitment lies in appreciating the unique skills and perspectives that each person brings to our team. We are dedicated to fostering a secure, supportive, and inclusive environment where every employee can thrive.

Job Summary

Rockland Scientific is seeking an Embedded Systems Designer to join our team. The Embedded System Designer is accountable for the lifecycle of the embedded software in Rockland products. This includes the conceptual design of the core architecture, through development, testing, and maintenance. In addition, the Embedded System Designer will complement and collaborate with the Electronics Developer role to design electronic hardware. The Embedded System Designer provides internal and external technical support for Rockland's electronic hardware and firmware.

Position Qualifications & Requirements

- Degree in related engineering professions.
- At least 5 years of experience in the design, testing, validation, and maintenance of embedded systems.
- Proficiency in HDL development.

Duties and Responsibilities

- Design, testing, validation, and maintenance of embedded software and logic for microcontrollers and FPGAs.
- Design, testing, validation, and maintenance of electronic hardware.
- Documentation of code, software user guides/manuals, and technical notes.
- Documentation of board files (schematics, layout, BOMs), and technical notes (internal/external technical notes and process documentation).

- Provide internal and external technical support for Rockland's electronics hardware/firmware.

Working conditions

- Work independently with a high degree of autonomy.
- Long periods of sitting down.
- Work with electronics maintenance and test equipment.

What we offer

- Full-time employment.
- Salary Range \$80,000 to \$100,000 annually, based on Knowledge, skills, abilities and years of experience.
- Opportunities to take part in job-related training and development.
- Partially paid for Extended Health Benefits, Life, AD&D, Critical Illness, and Long-term disability.
- Health Care Spending Account (HCSA).
- RRSP matching contributions.
- Additional benefits such as Worklife reimbursement, Year of Service awards & Donations.
- Join a diverse team making a difference in the scientific field to understand climate change.

Apply

If you are interested in applying, please send your resume and cover letter to the email:

hr@rocklandscientific.com