

JOB TITLE: FIRMWARE DEVELOPER

Location: Vancouver, BC

VodaSafe is an exciting young company working to transform the water rescue industry. We build innovative technology for first responders and search and rescue personnel. Our first product, AquaEye®, is a hand-held sonar device for water rescue that launched in 2019. We are seeking a bright and highly motivated individual to join our team, bring new ideas to product design and aid new customers in using AquaEye to help their teams stay safe and respond to emergency situations faster.

We are seeking a high-achieving, product-focused Firmware Developer to improve and evolve our AquaEye product line. This individual must be obsessed with learning new skills and technology as well as being comfortable with ambiguity and the unknown.

Taking ownership of VodaSafe's firmware development cycle, you will play a critical role on our engineering team. You will focus on the design and maintenance of embedded firmware, help build our next generation, and extend our existing AquaEye product line.

WHAT YOU BRING TO THE TABLE

- Inspired by saving lives and helping first responders
- Proven ability of creating and managing a firmware development process
- Passion for taking ownership over product
- Innovative thinking
- Ability & willingness to work hands on, in a multidisciplinary team
- Ability to thrive in a dynamic and fast-paced R&D environment
- Strong analytical skills and ability to develop creative solutions to complex and challenging problems
- A drive for results and becoming a pillar of the engineering team
- Strong communication with a clear understanding of performance standards in an engineering environment
- Ability to coach & mentor junior team members

WHAT YOU'LL BE DOING

The Firmware Developer will be responsible for conducting research, planning, design, development, and testing of firmware code for our embedded systems, which includes measuring and controlling instrumentation and other microelectronic systems and circuits.

- Taking ownership of the full firmware development cycle including code generation, implementation, testing, integration, and maintenance of firmware code and algorithms
- Working with the engineering team and Product Manager to develop new features and continuously develop improvements of the current product
- Manage all firmware projects, communicate progress, workload, and projected timelines to engineering manager

REQUIRED QUALIFICATIONS

- 5+ years' experience designing and writing robust C code targeted for embedded systems from concept to production
- Bachelor's or Master's in Computer Science, Computer Engineering, Engineering Physics, Electrical Engineering, or equivalent combination of skills and experience
- Ability to write clean, robust, and well-documented code as well as familiarity with software revision control systems (Git)
- Proficiency with Python

PREFERRED QUALIFICATIONS

- Experience with firmware development for the STM32 microcontroller family
- Experience with firmware development for bluetooth modules
- Experience building and maintaining data management systems
- Familiarity with data science algorithms, specifically those utilizing small datasets
- Experience with sonar
- Experience with rescue related industry
- Experience in a startup environment

BENEFITS

What's In It For You?

As the Firmware Developer you will:

- Get to work on an exciting new project from an initial stage

- Have freedom for creativity to innovate and problem solve to help keep our products at the cutting edge
- Work in a positive, exciting, and fast-paced company
- Work on next-generation technologies

What We Offer

- Flexible and dynamic work environment
- Competitive salary, medical benefits, and employee ownership
- Opportunity to work on a variety of tasks and be a part of the creation process of a new product

Apply [here](#).