

Software Engineer

- SMRU Consulting
- Friday Harbor, WA, USA

Companies, investors and government entities around the world turn to SMRU Consulting (SMRUC) when conventional approaches to solving marine problems are not enough to activate change and achieve results.

SMRU Consulting is a world leading marine mammal consultancy with an unrivalled reputation for providing innovative, robust, and environmentally sound solutions for clients active in the marine environment. SMRUC is owned by the University of St Andrews, with offices in Scotland, Vancouver BC, Hong Kong and Friday Harbour, WA (2 hours north of Seattle). Our senior professionals are experienced scientists, world-class consultants and veterans of working across all marine sectors from wet renewables, civil engineering, infrastructure, oil and gas and decommissioning to government, defence, and scientific research and development. They can draw upon the firm's rich experience to help customers understand, assess and mitigate the potential risks facing their projects. Many of the projects are linked to understanding and mitigating the impacts of man-made noise on marine mammals.

When practical, robust, cost -effective advice is required, find us at

www.smruconsulting.com

The opportunity

This is a fantastic opportunity to join SMRUC's growing consulting business

If you are a software engineer looking for a 'hands on', scientific and entrepreneurial environment where you can really make a difference then SMRUC may be the place to develop your career. You will work both independently and with a small team.

We work with multi-national companies, government agencies, NGO's and universities on a global basis. We pride ourselves on listening to our clients, understanding their projects and combining intelligent solutions to preserve and generate value for our client's businesses. Our goal is to reduce the environmental risks facing our clients at pre-consenting through to post implementation monitoring and reporting, using robust science-driven evidence. Many of the projects we work on are linked to understanding and mitigating the impacts of man-made noise on marine mammals, an stimulating and growing field of marine mammal science. To this end, we are seeking talented, open minded, adaptable recruits who are interested in developing their careers in a fast moving, high profile space. This opportunity will be pivotal in helping SMRUC develop a cost-effective, reliable network of easily deployed coastal buoys to monitor North Atlantic Right Whales in the Atlantic and associated noise produced by offshore wind construction activities.

Main responsibilities

- Support colleagues in the delivery of client projects by providing expert technical knowledge and practical expertise
- Design, implement and test robust software solutions for Coastal Acoustic Buoys (CAB <http://www.smruconsulting.com/products-tools/cab/>)
- Help integrate and test hardware for CAB

- Harden current product code against possible failures and bugs
- Work closely and collaboratively with cross functional teams to determine requirements, prioritise development efforts and recommend solutions
- Help set strategic direction on technology development

The ideal applicant must have

- 5 + years or more experience writing software
- Passion for elegant and well – structured code
- Experienced in C, C ++, Java, Python
- Experience in handling acoustic data a big plus
- Experience with hardware integration
- Experienced in the following operating environments
 - Embedded Linux
 - Embedded processors/controllers, e.g. MSP430
 - MS Windows
- Naturally curious, a problem solver with a “can do” mind-set and hands on approach.
- Proven project management experience

Soft skills

In addition to the skills and qualities detailed above, the desired candidate will also demonstrate the following attributes;

- Ability to set strategic direction but also complete detail-oriented tasks
- Ability to ‘think on your feet,’ multi-task and balance a range of projects, priorities and responsibilities
- A focus on quality and attention to detail with strong problem solving and analytical skills
- Pragmatic negotiator and influencer while remaining independent and objective
- Well-developed written and verbal communication skills
- Potential to travel and assist on short periods of field work

Lifestyle and values

Attracted by our merit-based culture and the opportunity to build a business with like-minded people, our small team of employees have joined SMRUC from universities, government and other large marine consulting companies. SMRUC is an outcome focused business, founded on the values of integrity, professionalism, quality and scientific and technical expertise

Our people have built their credentials through careers that combine experience in education, government regulatory and professional services. SMRUC has a proven track record of managing complex, high profile situations and delivery through world class expertise and excellence in execution. The values of the business which include integrity and fun as well as just reward for great work comes to life when you become part of the team.

Apply

Please send us a covering letter telling us why you would be a great hire together with a copy of your resume to:

info@smruconsulting.com

Voluntary Inclusion

It is SMRUC's policy to provide and promote equal opportunity in employment, compensation, and other terms and conditions of employment without discrimination because of race, colour, sex, sexual orientation, family medical history or genetic information, political affiliation, military service, pregnancy, marital status, family status, religion, national origin, age or disability or any other non-merit based factor in accordance with all applicable laws and regulations.

Unsolicited Resumes from Third-Party Recruiters

Please note that as per SMRUC policy, we do not accept unsolicited resumes from third-party recruiters unless such recruiters were engaged to provide candidates for a specified opening. Any employment agency, person or entity that submits an unsolicited resume does so with the understanding that SMRU will have the right to hire that applicant at its discretion without any fee owed to the submitting employment agency, person or entity.