

Robotics Engineer – Software & Integrations

Greensea IQ is a world leader in advanced robotic solutions for the ocean. We are a dual-use technology company that has pioneered the use of autonomous systems in critical defense applications and is now transitioning that mature technology to the commercial maritime markets.

Greensea has a defense product portfolio focused in Mine Countermeasures, Explosive Ordnance Disposal, and Special Operations. Since 2017, we have pioneered the use of autonomous robots and artificial intelligence to create scale and safety in ocean warfare while protecting the warfighter.

Greensea's emerging EverClean product transitions defense technology to the commercial sector to create high impact and achieve significant growth within a large market. EverClean uses autonomous underwater robots to keep the hulls of ships clean, allowing ships to perform optimally. This Robot-As-A-Service business provides significant fuel savings, carbon emissions reductions, and increased vessel performance through a simple subscription program.

Job Description

The Robotics Engineer – Software & Integrations will be a critical member of Greensea IQ's multidisciplinary engineering team, with primary responsibility for the Bayonet Family of Products at our Plymouth, MA facility. This role focuses on developing, maintaining, and integrating software into the Bayonet AUGV line of vehicles, RNAV family of systems, HANC Subsea Control System, and IQNS, ensuring production-ready deployment and robust system performance.

The engineer will lead the integration and testing of navigation, control, and embedded software systems on Bayonet products. They will collaborate closely with production technicians, software teams, and product managers, spending significant time in the field running and validating Bayonet systems.

Responsibilities

- Serve as the principal stakeholder for the integration of software on the Bayonet line of products in Plymouth, MA location
- Participate as a multidisciplinary engineering team member.
- Work closely with other software stakeholders, including the software Product Manager and software development team for Greensea's defense software

products, to land software successfully and reliably on the Bayonet production systems.

- Support production technicians in the production and commissioning of Bayonet Family systems.
- Design, analyze, develop, test, and integrate control and navigation software systems for unmanned vehicles and products.
- Develop, test, and integrate device interface software drivers.
- Support hardware integrations as a software application for robot systems.
- Support robot testing as a software stakeholder.
- Innovate to discover solutions that enhance the relationship between marine vehicles and the operators that use them.
- Support clients and operators as they apply Greensea IQ's technology to the work they do in the field.
- Produce clear, reliable, and reusable code.
- Maintain clear documentation.
- Actively and passionately participate in field testing.
- All other responsibilities as reasonably assigned.

Requirements

- Bachelor's degree in Math, Physics, Computer Science, or a related field.
- 3–5 years of relevant experience.
- Proficiency in C++ or comparable object-oriented programming language.
- Working knowledge of mobile or underwater robot systems, including their sensors, construction, and use.
- Experience with hardware interfaces, embedded systems, edge processing, and distributed computing.
- Strong working knowledge of the Linux operating system, embedded systems, and embedded Linux.
- Strong written and oral communication skills.

To apply, please send your resume, salary requirements, and cover letter to careers@greenseaIQ.com as PDF documents. The candidate must be eligible to work in the United States. This role may require occasional travel. This position is based in Plymouth, MA. Annual salary range: \$115 - 130k.

Greensea IQ (www.greenseaIQ.com) is an equal opportunity employer. We offer a casual and fun work environment and provide our employees training and continuing education opportunities. Greensea IQ offers competitive salaries and a complete benefits package, including full health insurance, 401(k), and paid vacation, holiday, and sick leave.