

Job Position Available: Senior Marine Engineer

Chance Maritime Technologies provides technical solutions for autonomous vessels.

<https://chancemaritime.com/>

Chance Maritime Technologies is looking for qualified candidates for the position of Senior Marine Engineer in Lafayette, Louisiana. This role consists of designing equipment for USVs (Unmanned Surface Vehicles). USVs consist of many mechanical and electrical systems functioning together with software to create a reliable solution for a wide array of maritime applications.

As a Marine Engineer at Chance Maritime Technologies, you will be responsible for the design, fabrication oversight, and implementation of all mechanical and structural systems onboard a USV and any other task as required within your field of expertise.

This position requires a minimum of 5 years of experience with marine systems and a B.S. in Marine Engineering, Mechanical Engineering, Civil Engineering, Ocean Engineering, or similar degree. Robotics or offshore experience is a big plus.

The position requires occasional travel (average of 5%) and may require work offshore.

Reports to: CTO

Key Responsibilities:

- Collaborative can-do spirit, willing to work with others on challenging problems.
- Hands-on attitude: unafraid of wrenches, grease, oil, and soot.
- Design and implement all shipboard mechanical systems including launch and recovery systems.
- Design and draft detailed mechanical, hydraulic, pneumatic, or auxiliary diagrams.
- Design hulls and calculate stability, trim, vessel speed, and endurance through various loadouts and sea states.
- Work closely with fabricators to ensure accurate building practices.
- Support ongoing operation and maintenance of the mechanical systems for USVs deployed at customer locations including diagnosis of any technical issues the vehicle may experience.
- Peer review and configuration control of drawings as required.
- Communicate and coordinate effectively with team members of all disciplines and management.
- You may also assist with mobilization, operation, training, and demobilization of USV projects particularly during prototype phases of new designs.

Essential Requirements:

- Ability to draft efficiently in SolidWorks from start to final drawings.
 - Ability to set up and keep an organized parts database
 - Experience in Rhino and AutoCAD are a plus
- Practical experience with aluminum fabrication & welding practices and procedures, including aluminum foundation design.
- Experienced with marine propulsion systems and components, including: theoretical power requirements, propeller calculations, marine transmissions, fuel, exhaust, cooling, and ventilation design.
- Experience with electromechanical / mechatronic systems in a marine environment.
- Understand and utilize effective troubleshooting techniques to resolve mechanical system issues.

- Experience in the prototyping, set up, and fault finding of complex mechanical systems
- To have strong oral & written communication, and interpersonal skills.
- To be self-directed, organized, systematic, punctual, and goal oriented.
- Ability to take high level direction from management and lead a small team of engineers.
- This position requires the ability to obtain a TWIC card.
- This position requires use of information which is subject to the International Traffic in Arms Regulations (ITAR). Applicants must be a U.S. Person as per 22 CFR 120.15 in order to satisfy export compliance requirements.

Desirable Skills:

- Enthusiasm for the oceans and everything that floats or sinks in them.
- Experience with aluminum vessel rules / regulatory guidelines including Coast Guard, ABS, SOLAS, and/or Lloyd's
- Basic boat handling skills and competency
- Experience working in the offshore environment.
- Experience in the field of uncrewed vehicles and/or robotics
- Experience with marine electrical systems and sensors, including experience with J1939, NMEA2000, and/or NMEA0183 protocols
- Experience with PLC programming in structured text and use of debugging tools
- Software, computer network, or electrical experience preferably backed up with experience of supporting such equipment in the marine environment.
- Current Basic Offshore Safety Induction & Emergency Training (BOSIET) would also be an advantage, but such training will be provided if necessary.

Chance Maritime Technologies does not discriminate in employment on the basis of race, color, religion, sex (including pregnancy and gender identity), national origin, political affiliation, sexual orientation, marital status, disability, genetic information, age, membership in an employee organization, retaliation, parental status, military service, or other non-merit factor. All employment is decided on the basis of qualifications, merit, and business need.

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