



JOIN OUR TEAM TODAY!

Job Desc ID: AY.JD.HR.011_2025.06.21

Job Title: Control System Design Lead

Location: Remote or Hybrid

Type: Full-Time

Experience Level: Mid-Level to Senior

About AstraYAN:

AstraYAN is an innovative deep-tech start-up focused on pioneering the future design of marine and naval vessels. We specialize in developing advanced engineering solutions and platform systems for smart and unmanned vessels. As a start-up, we value creativity, collaboration, and adaptability. If you are passionate about shaping the future of marine technology, we would love to have you join our team.

The Role:

We are seeking an experienced and highly motivated professional to join our team in the role of a Control System Design Lead. In this critical role, you will be responsible for design and development of control systems for smart and unmanned ships of the future. You will work closely with cross-functional teams to deliver innovative solutions that address both technical and business requirements.

Key Responsibilities:

- Model based design in MATLAB /Simulink environment, especially Control Design (closed loop control systems), State flow, Code Generation / Target Language Compilers.
- Software development using C++ or comparable programming languages.
- Script based automated workflow creation using MATLAB language / JavaScript.
- Design of industrial automation systems based on common PLC platforms & should be able to work independently on assigned tasks.

What We're Looking For:

Minimum Qualifications, Requirements:

- Currently pursuing a Bachelor's or Master's degree in B.E/ B. Tech: Electrical/ Electronics/ Controls/Software/Systems Engineering
- Responsible, disciplined, well organized, committed to self-improvement, proactive team player with good soft skills.
- Strong analytical and troubleshooting skills.

Skills and Experience:

- Model based design in MATLAB/Simulink environment, especially Control Design (closed loop control systems)
- Stateflow
- Code Generation / Target Language Compilers
- Software Development expertise using C++ or comparable programming languages

- Script based automated workflow creation using MATLAB language / JavaScript
- Design of industrial automation systems based on common PLC platforms
- Linux based real time operation systems
- Basic Knowledge of SysML or UML and general system engineering methodologies
- Database Engineering
- Knowledge of common industrial communication protocols, including OPC UA, Modbus RTU / TCP, CAN-Bus
- Maritime Propulsion & Power Systems

Why Join Us?

- **Ownership & Impact:** As an early team member, you will have the opportunity to shape the direction of our technology and processes.
- **Growth Opportunities:** Enjoy a fast-paced environment where you can wear multiple hats and develop new skills.
- **Collaborative Culture:** Work alongside passionate, innovative, and creative team members dedicated to transforming the future of marine vessels.
- **Flexibility:** Take advantage of a remote or hybrid work environment with flexible hours. We believe in achieving results, not just clocking hours.
- **Equity:** Enjoy the potential for equity options or stock grants in the company, allowing you to share in the company's success.
- **Comprehensive Benefits:** Competitive salary, health benefits, and perks to support your well-being.

How to Apply:

Please send your resume to careers@astrayan.com.