Senior Product Development Engineer

Company Description

Petrotech Inc. has over half a century of experience providing customized control solutions for a wide range of industries worldwide. The company focuses on advancing controls to improve the performance and reliability of turbo and rotating machinery. With offices in New Orleans, Houston, and Surrey, Petrotech offers innovative solutions for challenging control problems.

Position Summary

At Petrotech, we are committed to continuous innovation. Our Senior Product Development Engineers are essential to driving business growth through the development of sophisticated turbomachinery control solutions.

We are seeking a highly skilled Senior Product Development Engineer to contribute to our growth and maintain our position as an industry leader. The ideal candidate will possess strong technical expertise in control system design, PLC programming, and engineering analysis, ensuring the successful execution of complex projects.

Essential Functions:

- Develop software applications on various Programmable Logic Controller (PLC) platforms using IEC-61131 programming languages (Structured Text, Function Block Diagrams, Ladder Logic).
- Configure, program, and test PLC applications for safe and efficient operation of rotating machinery and process control systems.
- Participate in all phases of the product development cycle, including algorithm design, software development, Factory Acceptance Testing (FAT), and commissioning.
- Utilize engineering simulation tools (such as SimSci and purpose-built tools) to evaluate control system strategies and performance.

Job Qualifications:

- **Education:** Bachelor's degree in engineering or a technical field.
- **Experience:** 5+ years of experience in control system design, PLC/HMI programming, and/or commissioning.

- **Programming Experience (Required in at least one of the following):**
- PLC/PAC programming using IEC-61131 languages (Ladder Logic, Function Block Diagram, Structured Text, Sequential Function Chart, Instruction List).
- PLC/PAC platforms such as Allen Bradley RS Logix/Studio 5000, Triconex Tri-Station 1131, Schneider Electric EcoStruxure, Siemens Step 7, or Emerson PAC/GE Fanuc Proficy Machine Edition.
- Text-based programming languages (C, HTML, or equivalent).
- Distributed Control Systems (DCS) configuration and programming.

Skills & Attributes:

- Self-motivated and able to work independently with minimal supervision.

Other: Must be legally authorized to work in the U.S. (Visa sponsorship is not available for this position)

Schedule: 8-hour shift
Location: Houston, TX (preferred) or New Orleans, LA
Schedule: 8-hour shift
Travel: Up to 15%
Compensation: Base salary + Bonus Pay