



## Software Engineer

### Job Overview

The Software Engineer is part of the design and fulfillment team that delivers Northern Reliability engineered solutions. The position works with the project manager, controls engineer and client to support control, data collection, and visualization aspects of the project.

Work is primarily based out of our Waterbury, Vermont office. However, during system construction and integration, you will be required to travel outside of the office environment and help assemble or troubleshoot a system in the field.

### Essential Functions and Responsibilities

- Write PLC (and other) programs based upon control specifications to allow for reliable and safe operation
- Remotely diagnose faults utilizing historical and real time data
- Write operation and maintenance manuals for new products
- Perform customer acceptance testing and training
- Provide technical assistance (remotely or on site) for existing and future systems

### Reports To

The position will report to the Director of Engineering.

### Qualifications

Candidate should be familiar with Programmable Logic Controllers, Human Machine Interface devices, and embedded RTUs. The ideal candidate will possess the following (KSAs) knowledge skills and abilities:

- General understanding of renewable energy including AC and DC circuits
- Experience with PLC programming, Allen Bradley Connected Components Workbench programming suite desirable
- Familiarity with programming concepts including the following languages HTML, Python, JavaScript and Linux based operating systems
- Familiarity with MySQL or other databases
- General knowledge of communication and networking protocols including Ethernet, Modbus and CAN bus.
- Ability to read and understand blueprints, drawings, and schematics



- Familiarity with office productivity software, including MS Word, Excel & Power Point
- Team player, with a desire and willingness to learn

### **Physical Requirements**

- Able to lift and carry 25lbs, crawl, or climb.

Northern Reliability is an equal employment opportunity employer and does not discriminate on the basis of race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age, or veteran status, or any other legally protected characteristics with respect to employment opportunities.

Please forward your resume and cover letter in confidence to:

[HR@northernreliability.com](mailto:HR@northernreliability.com)

Or mail to:

Human Resources  
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Waterbury, VT 05676

Software Developer  
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