SOUTHERN FLOW, INC.
Controls Systems Integrator

Jr. *HMI Development Engineer*

Southern Flow, Inc. has a great opportunity for an HMI programmer to join our growing team in Alpharetta, GA. Southern Flow is a systems integrator specializing in the water and wastewater industry that has a proven track record of over 26 years of experience. This position is responsible for development of the HMI applications that accompany our custom designed control panels and PLC programs. The individual would enjoy a stable work environment, challenging assignments, competitive compensation, great benefits, and a team-oriented environment.

Primary Job Duties:

- Engage with the project engineering team to determine HMI application requirements, and develop the application using SFI standards and procedures
- Work with clients, engineers, and contractors to provide updates and coordinate the final HMI application to their specification
- Collaborate with PLC programmers to coordinate IO lists, HMI screen layouts, and protocol requirements.
- Develop HMI screens in 2D or 3D format to meet project specifications
- Render 3D graphic animations as required by project
- Develop HMI databases to include IO, trending, historical data, alarming, and event logging
- Select computer hardware based on project and software requirements
- Train owners on operation of new HMI applications
- Perform onsite commissioning and troubleshooting of new installations

Requirements:

- BS degree in computer science, software engineering, computer engineering, or electrical engineering, or equivalent experience in the industry
- Ability and willingness to travel up to 25%
- Experience with VTScada, Wonderware, Proficy iFIX, FactoryTalk, Citect
- Familiarity with PLCs and basic programming practices
- Excellent client communication skills
- Ability to read project drawings and specifications to determine project requirements
- Ability to stay organized and communicate with the larger engineering team
- Experience with 3DSMax, Blender, and GIMP to develop custom graphics and scenes
- Experience with different industrial communication protocols including Ethernet IP, Modbus RTU & TCP, Devicenet, Profinet, etc.
- Networking experience and familiarity with basic PC networking principles

This position is an entry level position and provides a clear path for career development and advancement to *Associate HMI Development Engineer* within 1-2 years for the individual who merits and earns advancement. SFI management performs yearly performance evaluations against defined performance objectives and criteria, with salary adjustments as merited.

The position offers work hours between 8:00 am and 5:00 pm Monday through Friday. Up to 35% travel time will be required to start-up, commission, and service customer locations around the southeast. Weekend stays are rare. A company provided vehicle will be provided for all travel and all testing equipment and required tools will be provided.

Additional information about our company and the products and services we provide can be reviewed at our web-site: southernflowinc.com

If you feel you are qualified and willing to work hard to be successful in this significant career development and learning opportunity, please submit your resume online at *https://www.southernflowinc.com/opportunities/*

Please feel free to contact us with any information:

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