



Job Title: Senior Controls Integration Engineer
Reports To: Director of Engineering

IBIS (Integrated Building Solutions, Inc):

IBIS (Integrated Building Solutions, Inc) is one of the leading players in the rapidly growing Industrial Internet of Things (IOT) market.

Populated by extraordinarily creative, motivated and talented people, the IBIS engineering team gets excited by developing new applications used by multiple Fortune 500 companies to realize the true benefits of Smart Buildings. IBIS is positioned as a technology leader in the Building Automation Industry. We bridge the gap between IT and Facilities, which results in better provisioning for implementing State-of-the-Art Health, Wellness and Productivity, Space Utilization and Energy conservation tools for Commercial Real Estate and Industrial Facilities.

This is a remote work opportunity.

Position Summary:

This is a great opportunity for a motivated individual to join a growing company using cutting edge technology to provide integration solutions for some of the world's largest corporations. Integrated Building Solutions, Inc. is looking for a hands-on Senior Integration Engineer that is capable of wearing multiple hats in a fast pace environment.

Areas of Responsibility/Duties

- Responsible for reviewing various client's building systems including HVAC, Metering, Lighting and Network/IT systems, among others to evaluate overall performance, identify infrastructure capabilities and make recommendations aligned with solution offerings based on client needs
- Ability to self-start, to work independently and complete tasks on time with minimal day-to-day direction
- Gather and analyze data to establish integration system requirements and needs
- Draft technical instructions, engineering plans, technical designs, and other systems integration related documents
- Perform integration tasks to connect the system hardware and software applications – this could include both pre-configuration of integration hardware devices and meters as well as remote or on-site configuration and commissioning tasks

Integrated Building Solutions, Inc.



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- Collaborate with front end software and graphics development teams to ensure that all integrated systems are properly reflected in the final product
 - Interface with various team members, internal and external, as well as subcontracted resources on a regular basis
 - Analyze existing building control system operations and identify operational inefficiencies and systems performance opportunities
 - Develop new and enhance existing metadata tagging for use in the IBIS platform – these can include Project Haystack, Brick, Niagara and/or custom tag dictionaries
 - Review as-built electrical documentation and site equipment to be able to identify metering solutions and to work with electrical contractors as needed, to support the safe and proper installation of metering system components
 - Review customer Network and IT infrastructure systems and documentation to develop network-related integration requirements.
 - Work with the customer's IT staff to facilitate the installation of network-connected integration system components including data gathering appliances, servers, meters, etc. as required by the application
 - Develop and conduct testing plans and procedures based upon implemented solution offerings system recommendations
 - Provide client with post-installation and integration support, as necessary
 - Collaborate with external clients and internal teammates to determine the best possible building systems integration solutions
 - Analyze building system integration systems and data to identify Automated Fault Detection & Diagnosis (AFDD) and enhanced data analytic opportunities
 - Create, implement and manage a library of analytical rules and strategies in 3rd-party analytical applications such as SkySpark by SkyFoundry, or others as utilization tools evolve and implementations change
 - Work with the Software and Graphics teams to present the results of the system analytics seamlessly in the IBIS presentation and reporting interface software package
 - Implement solutions to optimize building performance and increase operational and energy efficiency to meet clients business/project goals and objectives
 - Participate as needed in sales pursuits, client demonstrations, and business meetings to define client solutions and needs
 - Present a positive professional image of the organization at all times
 - Work with both IBS and external contractors to facilitate the installation, commissioning and troubleshooting of both new and existing system installations



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- Travel to job sites to facilitate installation, commissioning or system troubleshooting or to the IBS office location (if working remotely) will occasionally be required
 - All other duties as assigned

Qualifications

- Minimum of 5-7 years of Building Integration and system control technologies experience
- Proficient with computers, building systems, with specific knowledge of:
 - Tridium Niagara (AX or N4) Software and Hardware
 - Microsoft Office software applications, including Excel, Word and Visio
 - Integration hardware and software components
 - Metering infrastructures, energy management solutions
 - Automated Fault Detection and Diagnostics software (SkySpark as a minimum)
 - Building automation system drawings, technical wiring diagrams, and computer and building automation system networking concepts and standards
 - IT and IP-based Networking applications, technologies and standards

Education and/or Experience:

- Four-year M.E. / E.E or C.S.E. degree, trade certification, or 8 years of industry experience
- Tridium AX and/or N4 certification is required
- Strong experience with Modbus, BACnet, and other open protocols a must
- Strong troubleshooting skills are a must
- HVAC and building utility systems, Building Automation, System startup and commissioning process experience
- Multiple types of HVAC Control Systems experience a plus
 - Integration of disparate building control and portfolio level systems experiences are preferred