IoT Systems Architect

Company Description

WCG is a consulting firm focused on navigating clients through the process of identifying operational and customer-facing improvement opportunities achieved by the integration of advanced, connected technologies, systems, and solutions.

WCG provides expertise and services for the manufacturing (Smart Manufacturing), utility/energy (Smart Energy), and municipal government (Smart Cities) spaces. In each space, WCG leads its clients through the entire project lifecycle by performing the following core services:

1) Needs Assessments / Gap Analyses

2) System / Solution Selection & Sourcing

3) Solution Implementation Assistance

   a. Process Design & Re-engineering

   b. System Architecture

   c. Project Management

   d. Data Analytics / Business Intelligence

Our focus is on capitalizing project ROI by re-engineering and optimizing core business processes, pairing long-term company priorities / initiatives with advanced and sustainable technical solutions, delivering tactful change management, all while driving a cost-efficient and risk-averse approach to project management and solution delivery.

Opportunity

WCG's Smart Manufacturing Division is looking for innovative leaders who will partner with WCG clients to identify and implement process improvement opportunities through a combination of integrating connected IoT devices, utilizing data analytics / business intelligence tools, introducing a more empowering technical architecture, and performing general process design and re-engineering.

Job Description

IoT Systems Architect

The IoT Systems Architect will be a key resource for all project stages as they will be relied on to provide technical thought leadership and expertise in order to identify, present, and deliver viable system solutions. The ideal candidate will have a background in either Manufacturing Systems Technology, Operational Technology, or Industrial Internet Solutions. The candidate

will also have experience with factory automation and bring the ability to understand both the client's business and technical environment to assist in applying IoT solutions and proof of concept development.

Core Responsibilities Include:

- Identification of market leading and emerging system solutions for the Industrial IoT / Digital Manufacturing space

- Design IoT solutions with AWS, Azure and client cloud environments, data storage and IoT components using event driven data

- Translate customer requirements into integrated solutions

- Provide vertical applications development including device communication/data/management, wireless connectivity and secure web applications to connect machines with bilateral device communications

- Leadership in coordinating and balancing ground-floor operational improvements with technical system design, cost, and maintenance

- Technical system mapping: "As-Is" design !   "To-Be" design

- Designing and managing multiple Application Programming Interfaces (APIs)

The ideal candidate is as comfortable white boarding complex software architectures with a roomful of engineers as they are briefing an executive audience.   The IoT Systems Architect will also have the opportunity to write whitepapers, deliver technical webinars, speak at events and file patents for what could potentially become market-leading system integration design.

Location / Travel
The IoT Systems Architect position requires at times up to 50% travel to work from client sites. All other time can be completed remotely or from home when not traveling.

Minimum Experience
- Bachelors or Advanced degree in computer science or Engineering

- 3+ years hands-on experience designing and building either manufacturing systems and/or operational technology and/or industrial/enterprise IoT solutions

- Work experience with Cloud solutions architecture, specifically building Cloud-native applications (e.g. AWS, Azure) including migration of existing application to the Cloud

- 5+ years of customer-facing experience, preferably interfacing with senior technical roles

- Demonstrated ability to think strategically about business, product, and technical challenges

Resume Submittal
- Please submit your resume to Jobs@wcg-consulting.com