



## **JOB DESCRIPTION**

Job Title: Technical Solutions Architect  
Location: Davidson, NC or home office  
Job Grade:

Reports to: Solution Delivery Manager  
Department: Engineered Outcomes Group  
FLSA Status: Exempt

### **Summary Job Description**

Develop software solutions for clients leveraging as many AVEVA products sold by InSource as possible. Prepare technical specification and delivery documents. Participate in discovery and assessment site visits and generate documentation as required. To date, the application solutions have included information/data acquisition, reporting systems, manufacturing execution systems that include Downtime, OEE, and Quality, Energy systems, and include plant floor automation connectivity. Responsibilities include software solution architecture, design, development, their support, as well as internal and client facing application and systems consulting.

### **Essential job functions**

- Work independently and as part of a project team to provide technical services for clients that could include:
  - Technical discoveries
  - User requirements definition
  - Manufacturing systems assessments
  - Solution development services
  - Technical project oversight
  - Implementation services
  - Technical documentation of above
  - Solution support services
  - Report development services
- Engage directly with our consultants and clients via telephone, email and on-site as required
- Serve as Technical Lead during discoveries, client requirements analysis meetings and interviews to collect project business and technical information and then support the Program Manager or consultants in generation of the base documents and technical estimate
- Provide technical input for client engagements exploring improvements via process changes supported by technical solutions
- Develop and provide technical leadership to implement solutions by configuring product applications and customizing them to project needs
- Develop a trusted advisor status through ongoing relationship development and assistance to project client accounts
- Engage specific System Integration partners and manage technical leadership for specific project functions and awareness of suitability for participation in client projects



## **Minimum job requirements**

- **Education:**
  - BS Degree in Computer Science or Engineering disciplines
- **Experience**
  - 3 – 5 years with direct experience in the skills listed below.
- **Recent Experience/Skills:**
  - Solution development experience with AVEVA (Wonderware) core products which may include:
    - System Platform components like App Server, Historian & InTouch
    - OMI, Edge, Citect SCADA
  - Experience using SCADA/HMI data sources (Minimum 2 years)
  - Experience in developing Requirements, Design, and Technical Specification documents including data-based systems and data integration (Minimum 2 years)
  - Familiarity with virtual machine technology (I.E. VMWare)
  - Experience with ACP ThinManager
  - Demonstrated experience with Windows Server platforms (Minimum 2 years)
  - Experience in an industrial manufacturing setting
- **Preferred Skills:**
  - Solution development experience with AVEVA (Wonderware) advanced products which may include:
    - MES (Performance, Operations and Quality (SPC/SQC)) or competitors
    - Intelligence/Alpana as well as various analytics clients such as PowerBI & Tableau or competitors
  - Demonstrated experience with Relational Databases design/implementation experience providing database served reporting and analytics in Windows environments (Minimum 1 years)
  - Demonstrated experience various program languages.  
Languages could include:
    - Databases: SQL
    - Programming: .NET, C# and/or VB
    - Web Apps: HTML5, CSS, JavaScript and others
- **Specialized knowledge, licenses, memberships, etc.:**
  - Microsoft, AVEVA (Wonderware), SAP, Oracle
  - OPC, MODBUS, Serial communication
  - Familiarity with the following industries: water/wastewater, food & beverage, life sciences



- **Other:**
  - Excellent interpersonal skills; ability to engage at all levels of the client organization from operator to executive
  - Proven analytical and troubleshooting skills
  - Detail oriented
  - Organizational and follow-up/through skills
  - Strong communication skills
  - Self Starter desiring to learn and be challenged technically and in understanding product/process applications to the client environment
  - Proven success in taking initiative to plan for and resolve issues
  - Willing to travel and work interdependently in a remote setting

**Supervisory Responsibility**

None

**Work Conditions**

General office or home office environment and client manufacturing site visits. May require standing, walking, climbing stairs, light lifting, sitting, etc. Some elevated noise levels exposure. Up to 75% overnight travel required.

**Finally**

Qualified candidates please send your resumes to [hr@insourcess.com](mailto:hr@insourcess.com) along with a "What Motivates Me" statement, and any pertinent information you feel necessary to support your application.