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*total instrumentation and control systems engineering solution provider*

**Date: January 13, 2012**

**Positions: Automation Engineers (Level I, II & Senior)**

**Location: Co. Cork, Ireland**

PACIV, a global instrumentation, control systems integration and regulatory compliance engineering firm with offices in Puerto Rico, United States, UK and now Ireland, servicing BioPharmaceutical, Medical Device, F&B and Utilities clients, is looking for permanent role based Automation Engineers (Level I, II and Senior) in its Ireland office. Automation engineers will be responsible for the execution of all or parts of the automation system development life cycle (SDLC) deliverables for industrial systems.

**Job Description:**

The Automation Engineers will be responsible for the various tasks executed within Automation Systems Development Life Cycle (ASDLC) for industrial systems within the BioPharmaceutical and/or Medical Device regulated industry. This consists of the design, configuration/programming, testing, start-up, commissioning, qualification and validation of process control systems (PLCs/DCS's platforms). Senior Automation Engineers require project management experience with such projects.

**Position Responsibilities/Essential Functions**

- Manage automation projects from concept to validation (senior).
- Lead (senior) and actively participate among cross-functional teams to ensure projects are delivered on time and to required quality standards.
- Deliver design, control system software development, test and information management solutions to meet customer requirements.
- Develop integrated software solutions among equipment, control systems, data historians, alarm management systems, manufacturing execution systems, manufacturing databases and other critical systems. Participate proactively as a team member in the implementation of automation projects.
- Prepare or provide support in the preparation of procedures (e.g., Systems Life Cycle) and follow programming standards for software automation and system integration.
- Develop and execute Commissioning & Qualification (C&Q) documents as well as Computer System Validation (CSV) deliverables such as Planning, User/Functional Requirements, Design Specifications, Design Qualification (DQ), testing development and execution (Loop Checks, ULT, ILT, SLT) and Final Reporting.
- Prepare and/or review system related procedures such as: Operational, Security, Backup and Restore and Disaster Recovery.
- Develop and support automation systems with a detailed understanding of all of the different control systems including distributed control systems (e.g. Foxboro, DeltaV, Siemens, CLx), programmable logic controllers (e.g. SLC 500, Micrologix, Logix 5000) and HMI/SCADA systems (e.g. iFix, RSVIEW/Batch, Wonderware).
- Create specification and design of control systems for manufacturing equipment taking into consideration schedule and budget for Software and Hardware development.
- Apply diagnostic utilities to aid in troubleshooting, perform start-up and commissioning activities

**Requirements**

- Education: Bachelor's degree in engineering (preferably Electrical or Chemical). MS preferred, but not a requirement
- Work Experience:

- Between ten (10), Senior Level, to two (2) years (Level I) minimum related experience in control systems, instrumentation and regulatory compliance with strong knowledge and hands-on experience of control system design, programming, commissioning, qualification (C&Q) and validation (CSV) in the regulated industries (biopharma and/or medical device).
- Knowledge and experience of API, Bulk Chemicals, Fill Finish, Parenterals, Dry Products, Utilities and F&B processes and technologies.
- Desired Hard Skill Sets:
  - Design, programming, implementation and support for control system projects within regulated environment. Senior engineers will require proven project management skills.
  - System integration experience including Micrologix, ControlLogix, RSView, RSBatch, iFIX, Wonderware, Foxboro, Siemens S7, DeltaV, Foundation Fieldbus, and/or DeviceNet applications.
  - Knowledge of Alarm Management, Data Historian, OEE.
  - Proficient knowledge of computer system life cycle concepts and FDA regulatory requirements, including 21 CFR Part 11.
  - Experience with development of FRS's, DDS, DQ, Validation and Test Planning, Development and Execution (C&Q/CSV, Installation Commissioning (ICO) and Automation Commissioning (ACO), Loop Checks, Final Reports, SOP's).
- Desired Soft Skills:
  - Strong analytical and problem-solving skills.
  - Deals well with uncertainty and pressure.
  - Works well with others, within a team and takes accountability.
  - Result driven and self-motivated.
  - Strong interpersonal and communication skills (verbal and presentation).
  - Organized, with strong computer literacy such as MS Project, Excel.

#### Other Requirements

- Location: Cork, Ireland
- Travel: 10% of the time, mostly throughout Ireland to various suppliers, collaborators and client sites

#### Compensation

- Competitive Salary and Benefits Package

#### **Please send your resume to**

Via email to:  
[pacivireland\\_automationengineer@paciv.com](mailto:pacivireland_automationengineer@paciv.com)  
 RE: Automation Engineer PACIV-Ireland

Via mail to:  
 PACIV-Ireland  
 No. 9 Pearse Street, Kinsale, Co. Cork, Ireland  
 RE: Automation Engineer