

Job Description



Job Title:	Software Automation Engineer (IMC0064)		
Location:	Leavenworth, KS, or Chelmsford, MA	Travel Required:	Minimal
Level/Salary Range:	Based on experience	Position Type:	Full-Time
Date Posted:	5/21/2019	Posting Expires:	When Filled
Mandatory Job Requirements:	<ul style="list-style-type: none"> • 3-5 years of experience with automated equipment/systems controls • PLC/SCADA/HMI Programming • C++/C# • Control Software Engineering • This position requires the ability to obtain a VA designated High-Risk Background Investigation (BI) 		
Applications Accepted By:			
E-mail: Michelle Might, Corporate Recruiter, michelle.might@imcva.com Email Subject Line: Software Automation Engineer (IMC0064)			
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IMC is supporting the Department of Veterans Affairs' Consolidated Mail Outpatient Pharmacy (CMOP) sustainment and modernization. The CMOP is a network of seven highly-automated production facilities which employ a mixture of robotic devices, conveyor systems, and human factors to accurately fill and ship nearly 117,000,000 prescriptions per year for healthcare beneficiaries including our nation's Veterans, active duty service members, and patients eligible for care through Indian Health Service (IHS).

Responsibilities:

1. **Maintenance:** Maintenance to all software at the individual CMOP facilities used to interface with local production equipment and processes. This maintenance function involves phone and remote system support with the seven CMOPs as well as onsite annual visits.
2. **Enhancement and Integration Support:** Provide software services that improve performance, controls and documentation including equipment interfaces as new equipment is introduced at the CMOPs.
 - a. The software automation engineer will be responsible for the design, development, test and implementation of software to process control/feedback signals to optimize the operation of the VA's pharmaceutical floor mechanical and electromechanical devices and systems. The candidate will be responsible for the provision of software design and development services in support of maintenance, enhancements and modernization of the CMOP facilities to include utilizing PLC interfacing software to include Think and Do v8.1 and Concept. The software is responsible for order management, inventory control, fulfilling activities, and the interfaces with the equipment on the automation floor.
 - b. The candidate should have the ability to quickly learn new pharmaceutical production floor technologies, including, control software development tools, sensors and automatic identification equipment and process control equipment.
 - c. The candidate should have the ability to adequately document designs, coded solutions and systems.

The candidate may:

- Be involved in analyses and the investigation of related application development tasks and prepares design specifications, analysis, and recommendations.
- Ensure the compliance of customer standards; also ensures that contractual deliverables assigned are reviewed for completeness and completed on time.



- Works closely with other teams, support organizations, program and product management.
- Interact with senior management and other developers. Interaction normally involves matters between functional and technical areas.

Basic Required Qualifications and Skills:

Note: These are mandatory items that all candidates must have when making application to IMC for this position. Please ensure that your submission addresses each of these requirement items. Candidates without these required elements will not be considered.

- Bachelor's degree in computer science, information technologies or equivalent 10 years of experience
- 3+ years of experience in the field of industrial process automation similar to that in the CMOP.
- Experience with Microsoft environment using Microsoft's development environments in real-time is required.
- Proven experience in developing and supporting large development initiatives that are similar in scope and complexity to the VA's CMOP:
 - Control software engineering
 - Understanding of system engineering and design
 - 3-5 years of experience with automated equipment/systems controls
 - PLC/SCADA/HMI programming
 - I/O mapping programming
 - Windows Development
 - C++/C#
 - .Net Framework 4.6
 - MV Visual Studio 2015
- **Requires the ability to obtain and maintain a VA designated High-Risk Background Investigation (BI).**

Desired Skills:

- Experience with Amazon Web Services (cloud)
- Object orientated Analysis and Design
- Agile Methodologies
- Mid-tier Application Servers
- SQL Server 102
- Phoenix Contact
- Test Driven Development
- Profibus
- OPC

Background Information: *Innovative Management Concepts, Inc. (IMC), a Service-Disabled, Veteran-Owned Small Business, provides a broad range of information technology services to government and commercial clients. Since its founding in 1989, IMC has offered solutions and expertise in: IT operations and maintenance, cyber security, systems and network engineering and support services, cloud/hosting services, software engineering and development, website services, software quality assurance and testing (including IV&V), and project management. IMC is certified in International Organization for Standardization (ISO) 9001:2015 Quality Management, ISO 27000:2013 Information Technology Security Management, and ISO 20000:2011 Information Technology Service Management. As a Service-Disabled Veteran-Owned Small Business, IMC places a special emphasis on recruiting and hiring veterans. Find out more about IMC at www.imcva.com. **IMC is an Equal Opportunity Employer***