

JOB DESCRIPTION

TITLE: SMART MANUFACTURING, SCADA, MES PROJECT TEAM LEAD

DEPARTMENT: SMART MANUFACTURING

REPORTS TO: ENGINEERING MANAGER

LOCATION: DUNDAS-ONTARIO-CANADA

DIRECT REPORTS YES NO

JOB PURPOSE

The Team Leader of the Smart Manufacturing department, SCADA/MES/Ignition group will be responsible for designing, implementing, and maintaining MES/SCADA/Track and Trace systems for industrial and manufacturing processes. The Smart Manufacturing lead role includes monitoring, analyzing, and controlling equipment and processes using computer-based systems.

DUTIES & RESPONSIBILITIES

- Lead system design, development of requirements, and develop software from functional specifications
- Lead system integration, software test planning, testing, and commissioning
- Lead Design and development and commissioning of SCADA & MES projects utilizing Ignition
- Lead Design, development, and commissioning of Industry 4.0 and IIOT projects based on customer requirements and applications
- Hands-on experience in configuring, commissioning, and maintaining industrial networks for support of MES-oriented systems
- Hands-on experience in configuring, commissioning, and maintaining process databases both internally and at customer sites
- Writing efficient, dynamic, documented, and reusable code
- Documenting, recording, and transferring knowledge to team members and customers
- Contributing to existing code modifications, improvement, and version control management
- Travel to customer sites for commissioning, integration, and support
- Interface directly with customers on-site and take a leadership role in projects
- Data analysis: analyze data collected by the SCADA/MES system and provide insights into the performance of the industrial and manufacturing processes. This includes identifying trends, detecting anomalies, and predicting potential problems before they occur
- Responsible for training operators on how to use the SCADA/MES system and providing ongoing support for any issues or questions they may have
- Very strong programming and problem-solving skills
- Design and configure Industrial networking

TEAM LEAD RESPONSIBILITIES

The duties of the Team Lead include

- Mentor, train and supervise team members in their role and assist with the continuous development of development standards and best practices
- Provide ongoing support to Jr. and Intermediate Specialists
- Tackle issues and conflicts within the team, escalating to the manager when necessary
- Act as technical project lead and support Jr. and intermediate staff to ensure project contract deliverables are met
- Promote positive relations with co-workers and customers
- Enforce and promote Everworks' policies
- Other duties as may be assigned

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CORE COMPETENCIES

- Ignition
- At least one programming language Python, Java, C++
- SQL Database, experience at least one of the following: MS SQL, MySQL, Oracle, PostgreSQL
- Ability to communicate effectively, both orally and in writing.
- A self-starter with the ability to work as part of a team in a fast-paced environment with minimal supervision.
- A passion for developing unique, concise, and creative solutions to complicated problems

SKILLS & ABILITIES

The following skills are an asset but not absolutely required to be successful at the job.

- Fundamentals of HTML, CSS, JavaScript
- SQL Database
- NoSQL Database
- Docker
- Virtual Machines
- .NET, C#, and Visual Basic
- Data analytics, PowerBI, Tableau
- NodeRED
- Networking TCP/IP, Modbus, ProfiNET, EthernetIP
- Development of websites front and backend
- PHP, Node JS, ASP .NET MVC
- Experience in manufacturing and industrial environments
- PLC programs using RSlogix, or Siemens TIA Portal, or Omron Sysmac Studio
- Experience with various platforms such as Wonderware Archestra, VTScada, FactoryTalk SE

EDUCATION REQUIREMENTS

- College Diploma or University Degree in Engineering

EXPERIENCE NEEDED

- 5+ years of experience as a SCADA/MES Specialist
- 5+ years of hands-on experience in developing SCADA or MES or Track and Trace
- Extensive commissioning experience and troubleshooting
- 7+ years of experience in engineering or software development

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APPROVED BY:

Yury Kozlov

DATE: APRIL 14, 2023

1ST REVISION
APPROVED BY:

DATE:

