



JOB DESCRIPTION

Job Title: Senior Software Developer

Department: Product Development

Location: Montreal, Canada

Reports To: Group Manager – Applications Development

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careers@invera.com

Job Qualifications

Education: Bachelor's degree in computer science, Engineering, Mathematics, or Commerce - Major in MIS or equivalent.

Training/Experience: 10 or more years' experience at a software developer level in the development and support of enterprise resource planning (ERP) for distribution or manufacturing applications in online, database and UNIX environment.

Technical Skills:

- Operating Systems: UNIX
- Database: Oracle, Informix, Postgres
- Programming Languages: C/C++ and/or Cobol.

Skills:

- Very good ability in programming, testing, debugging, troubleshooting in some applications.
- Strong analytical and problem-solving skills
- Ability to work on multiple tasks.
- Good presentation skills.
- Good verbal and written communication skills.
- Ability to understand software requirements and specifications.
- Ability to develop programming specifications and algorithms to implement software requirements.
- Strong background with the software development lifecycle, and common models (agile, iterative, waterfall, etc.) with familiarity in best software practices including source code control, requirements gathering and unit testing.
- Self-initiative and ability to learn new software technology.
- Nice to have knowledge of metals industry business processes and operations.

General Statement of Duties

- Review and understand software requirements.
- Assist in the preparation of data structures for software projects.
- Participate in performing impact analysis for implementing new functions or modifications to existing functions.
- Prepare programming specs and test cases.
- May supervise resources for design/programming activities and follow up on efforts.
- Programming and testing of assigned programs with minimum supervision.
- Provide technical assistance and advice to Customer Services as required.
- Prepare Technical Design and Specification documents.
- Prepare technical documentation.

Specific Duties

Review software requirements and specifications

- Review software requirements and specifications from Product Design and discuss feedback with more senior developers.

Data Structure Preparation/Impact Analysis

- Assist in preparing data structures.
- Perform impact analysis for enhancements or modifications to existing software functionality.

Programming Specifications

- Prepare programming specifications and testing cases.

Detailed design/Programming Specifications

- Prepare development artifacts including table relationships, functional flow diagrams, program logic diagrams and descriptions.

Software Maintenance and Development

- Has good understanding in one or more applications assigned to the group.
- Program, test, and debug software for the company's products including those with minimal guidance.

Provide assistance to Customer Services

- When required, assist customer services staff in problem analysis at customer sites or in QA environments.

Physical Demands/Working Conditions

- Must be able to complete tasks within given deadlines and willing and able to perform under pressure.
- Must be able to adapt to changing priorities and adjust work plans for new priorities.
- Ability to sit and work on a workstation for extended periods of time during the working day and be able to complete tasks without having physical and concentration problems.
- When requested, must be willing and able to work extra hours to complete assignments.
- Expectations in terms of quantity and quality are high and therefore position has fair amount of stress.

Supervision

- Works on own tasks but may assist junior developers.
- Requires fair amount of direction and detail for assigned tasks.
- Works within a more defined framework and with more details for assigned tasks.
- Review of work done by more senior developers

Effort

- Tasks require implementation of defined concepts but still require a fair amount of concentration.
- Tasks are assigned with a fair number of details but still require some judgment and original decision-making.
- Scope of responsibilities requires some internal and external interactions.
- Due to nature of tasks, decisions can have an impact on software product development and maintenance costs.

Contacts - internal

- Product Design Department
- Product Development Department
- Customer Services Department
- The above contacts are primarily of an information giving/getting problem solving nature or consultation on features and functions of the software products.