Enterprise Electronics Corporation

Software Engineer

Department: Software Engineering
FLSA Status: Exempt
Grade/Level: Regular
Job Type: Regular
Work Schedule: 

Job Status: Full Time
Reports To: Software Engineering Manager
Amount of Travel Required: Up to 10%
Positions Supervised: None

POSITION SUMMARY
Perform scalability and performance analysis as needed. Scope development effort, and provide reliable resource and timeline estimates. Implement high quality code in an agile, test-driven development environment. Create detailed software development plans.

ESSENTIAL FUNCTIONS

Reasonable Accommodations Statement
To accomplish this job successfully, an individual must be able to perform, with or without reasonable accommodation, each essential function satisfactorily. Reasonable accommodations may be made to help enable qualified individuals with disabilities to perform the essential functions.

Essential Functions Statement(s)

• Consult with managerial, engineering, and technical personnel to clarify program intent, identify problems, and suggest changes.
• Prepare reports or correspondence concerning project specifications, activities, or status.
• Write, analyze, review, and rewrite programs, using workflow chart and diagram, and applying knowledge of computer capabilities, subject matter, and symbolic logic.
• Conduct trial runs of programs and software applications to be sure they will produce the desired information and that the instructions are correct.
• Store, retrieve, and manipulate data for analysis of system capabilities and requirements.
• Modify existing software to correct errors, to adapt it to new hardware, or to upgrade interfaces and improve performance.
• Compile and write documentation of program development and subsequent revisions, inserting comments in the coded instructions so others can understand the program.
• Consult with customers or other departments on project status, proposals, or technical issues, such as software system design or maintenance.
• Analyze information to determine, recommend, and plan installation of a new system or modification of an existing system.
• Develop software system testing or validation procedures.
• Advise customer about or perform maintenance of software system.
• Coordinate installation of software system. May be required to complete installation of software onsite at customer's location on occasion.

POSITION QUALIFICATIONS

Competency Statement(s)

• Analytical Skills - Ability to use thinking and reasoning to solve a problem.
• Autonomy - Ability to work independently with minimal supervision.
• Business Acumen - Ability to grasp and understand business concepts and issues.
• Change Management - Ability to encourage others to seek opportunities for different and innovative approaches to addressing problems and opportunities.
• Communication, Oral - Ability to communicate effectively with others using the spoken word.
• Communication, Written - Ability to communicate in writing clearly and concisely.
• Conceptual Thinking - Ability to think in terms of abstract ideas.
• Decision Making - Ability to make critical decisions while following company procedures.
• Goal Oriented - Ability to focus on a goal and obtain a pre-determined result.
• Detail Oriented - Ability to pay attention to the minute details of a project or task.
• Judgment - The ability to formulate a sound decision using the available information.
• Problem Solving - Ability to find a solution for or to deal proactively with work-related problems.
• Technical Aptitude - Ability to comprehend complex technical topics and specialized information.
• Working Under Pressure - Ability to complete assigned tasks under stressful situations.

SKILLS & ABILITIES

Education: Bachelor's Degree (four year college or technical school) or Work Equivalent, Field of Study: Computer Science or Computer Engineering

Experience: 5 plus years of experience in Computer Science or Computer Engineering

Computer Skills:
- Programming languages: C, C++;
- Operating systems: Linux, Unix;
- Cross-platform application framework: Qt;
- Distributed revision control and source code management system: Git;
- Application programming interface: OpenGL;
- Object-relational database management system: PostgreSQL;
- Defect tracking system: TestTrack

PHYSICAL DEMANDS

N (Not Applicable) Activity is not applicable to this position.
**Physical Demands**

<table>
<thead>
<tr>
<th>Activity</th>
<th>O (Occasionally)</th>
<th>F (Frequently)</th>
<th>C (Constantly)</th>
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<tbody>
<tr>
<td>Lift/Carry</td>
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<tr>
<td>10 lbs or less</td>
<td>O</td>
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<tr>
<td>11-20 lbs</td>
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<td>O</td>
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</tr>
<tr>
<td>21-50 lbs</td>
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<td>N</td>
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</tr>
<tr>
<td>51-100 lbs</td>
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<td>N</td>
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<tr>
<td>Over 100 lbs</td>
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<td>N</td>
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<tr>
<td>Push/Pull</td>
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<tr>
<td>12 lbs or less</td>
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<tr>
<td>13-25 lbs</td>
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<td>O</td>
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<tr>
<td>26-40 lbs</td>
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<td>N</td>
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<tr>
<td>41-100 lbs</td>
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<td>N</td>
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**Other Physical Requirements**

- Vision (Near)
- Sense of Touch

**WORK ENVIRONMENT**

The noise level in the work environment is usually quiet.

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Prepared by: Human Resources
Signature: ________________________ Date: ______________
Approval: ________________________ Date: ______________

The company has reviewed this job description to ensure that essential functions and basic duties have been included. It is intended to provide guidelines for job expectations and the employee's ability to perform the position described. It is not intended to be construed as an exhaustive list of all functions, responsibilities, skills and abilities. Additional functions and requirements may be assigned by supervisors as deemed appropriate. This document does not represent a contract of employment, and the company reserves the right to change this job description and/or assign tasks for the employee to perform, as the company may deem appropriate.