

TITLE OF POSITION: Software Engineer
DEPARTMENT: Information Technology
REPORTS TO: Information Systems Manager

JOB PURPOSE:

To research, design, develop, program, and test software that allows applications and systems to function properly. Apply principles and techniques of computer science, engineering, and mathematical analysis.

JOB DUTIES: (Include but are not limited to the following)

- Analyze users' and systems' needs. Define requirements to meet those needs. Design, test, and develop software to meet the defined requirements.
- Write programs in a variety of computer languages, including C#, VB.Net, PLC logic, Java and vendor proprietary languages.
- Recommend software upgrades for existing programs and systems.
- Update and expand existing programs.
- Design various components of an application or system and plan how the components work together.
- Create a variety of models and diagrams (such as flowcharts) showing the software code needed for an application.
- Ensure that software applications continue to function normally through software development lifecycle.
- Document every aspect of an application or system as a reference for future maintenance and upgrades.
- Test programs for errors and fix the faulty lines of computer code.
- Create and test code in an integrated development environment (IDE).

EDUCATION AND EXPERIENCE:

Minimum bachelor's degree in Computer Science, Software Engineering, or related field. Associates degree with experience considered. Excellent coding and software design skills, communication skills - both written and verbal, PC skills, solid critical thinking and troubleshooting skills, and the ability to communicate and work in teams with other employees from different disciplines