Position: Software Engineer – iSeries

Department: Information Systems

Reports to: Solution Architect
Software Engineering Manager
Director of Software Engineering & Infrastructure
Chief Operating Officer

General Purpose

To design, code, test, and implement new computer programs and applications using one or more of the following technologies; RPG/400, RPG IV, ILE, CL, SQL and others as warranted by the application. Maintains existing applications, and provides support to end users as needed.

Principal Duties and Responsibilities

- Is responsible for the full Software Development Life Cycle. Including meeting with users, obtaining requirements, designing systems, coding, source control, creating and executing test plans, deployment and quality assurance.

- Maintains all existing computer programs for branch stores, Von Maur Center, and Web usage. Locates errors in programs, redesigns and recodes programs accordingly, and tests revised programs.

- Documents all new and revised programs adequately.

- Monitors and maintains the voice/data communications network. Identifies sources of problems, and develops and implements solutions.

- Provides necessary software support for end users when possible. Trains new users, and answers questions or solves problems as needed.

- Completes all necessary paperwork in a timely and accurate manner.

- Maintains confidentiality of all accessible information.

- Attends department meetings.

- Maintains a good attendance record, and is available to work as requested.

- Enforces and abides by all Von Maur policies and procedures.

* These duties are usually assigned to various members of the Information Systems staff. An employee may have to perform any or all of these duties at some time.*

Special Projects

As assigned by the Solution Architect, Software Engineering Manager, Director of Software Engineering & Infrastructure or Chief Operating Officer.
Measurement of Effective Performance

Fulfills goals established by the Solution Architect, Software Engineering Manager, Director of Software Engineering & Infrastructure or Chief Operating Officer. These goals may include

- Complete projects in a timely and accurate manner
- Ensure programs function correctly
- Provide service to end users as needed
- Any other goals established by Software Engineering Manager or Director of Software Engineering & Infrastructure.

Physical Demands

- Performs most job tasks sitting, at a minimum of 7½ hours daily.
- Sees, hears, speaks, and writes to communicate with any system end users, management, and hardware and software service suppliers.
- Types on computer keyboard to complete most tasks daily.
- Grasps phone receiver occasionally, and dials phone numbers as needed.
- Lifts and carries approximately 25 pound boxes of computer paper or special forms when loading printers and other machinery with supplies as needed.

*These essential physical functions identify the major physical requirements of the job. They are not an exhaustive list of all job requirements. An employee may be called upon to perform physical actions not specifically identified in this job description.*

Cognitive Demands

General Educational Development

Reasoning: Solves problems with several abstract and concrete variables, using logical or scientific thinking.

- Debugs existing programs.
- Analyzes and redesigns programs as needed.
- Researches new systems and programs.
- Develops new systems and applications, tests and implements new programs.
- Locates sources of system problems, and takes necessary steps to solve problems as needed.
Mathematics: Performs any arithmetic or algebraic operations needed to write accurate programs, or evaluate existing programs.

Language:  
- Communicates with system end users, management, and hardware and software service suppliers.
- Composes original correspondence.
- Documents programs accurately.

Aptitudes

1. GENERAL LEARNING ABILITY - Understands instructions, can reason and make judgments.
2. VERBAL APTITUDE - Understands the meaning of words. Knows how to use language effectively.
3. NUMERICAL APTITUDE - Performs arithmetic and algebraic operations quickly and accurately.
4. CLERICAL PERCEPTION - Perceives detail in verbal or tabular material. Spots errors in coding to debug programs as needed.

Temperaments

- Deals well with people.
- Maintains a positive attitude.
- Attains precise goals and standards.
- Makes judgments and decisions.
- Works under specific guidelines.
- Works well alone.
- Performs well under stress.
- Performs a variety of duties.
Skills and Knowledge

- Demonstrates time management and organizational skills to complete tasks in a timely manner.
- Excellent oral and written communication skills when communicating with users, management, and hardware and software service suppliers.
- Motivates himself or herself to perform well - individually and as a team member.
- Prioritizes tasks, follows through on projects, meets deadlines.
- Demonstrates the ability to make sound judgments and decisions.
- Handles negative situations effectively and appropriately.
- Exercises discretion, and maintains confidentiality.
- Functions effectively with minimal supervision.

Work Environment

- Work is performed in the Information Systems office, located at Von Maur Center. Computer room is attached to Information Systems office.
- Noise level is usually very low.
- Temperature and humidity are closely monitored in the computer room, but tend to fluctuate in the Information Systems Office.
- May work early, late, or on weekends as business needs dictate including taking calls after hours. A minimum of 40-45 hour work week required; regularly exceeds 40 hours per week based on workflow and special projects.

Equipment

- Uses an IBM iSeries and develops in the RPG IV, RPG/400, ILE, CL and SQL languages.
- PC on a LAN for code development, documentation, email, spreadsheets, word processing and other PC applications.
- Uses a computer terminal daily for programming and general system access.
- Uses printers to generate reports as needed.
- Runs data tape on tape drives when needed.
- Uses various reference materials for research or problem-solving as needed.
- Communicates with end users through a personal computer linked with stores and point-of-sale registers.
- Uses a calculator as needed.
- Uses all equipment, supplies, and materials safely, according to written and verbal safety guidelines.

**Preferred Qualifications**

- Bachelor's or technical degree in Computer Science (or equivalent combination of education and experience).
- Five years experience with the IBM System i (AS400) and RPG IV, RPG/400, ILE, SQL and CL.
- Knowledge of DB2, RPG Toolbox and System I Operating System preferred.

*These essential job functions identify the major requirements of the job. They are not an exhaustive list of all job requirements. An employee may be called upon to perform job tasks involving physical and cognitive skills, or other skills and knowledge not specifically identified in this job description. An employee may perform job tasks in other work environments, or using equipment, supplies, and materials not specifically identified in this job description. This job description constitutes a good faith effort to describe essential job functions accurately and completely.*