JOB DESCRIPTION

Salary Grade:
7
CUPE 1328

Job Title:
Senior Programmer

PRIMARY FUNCTION

The primary function of this job is to design, code, test, document and implement programs under the general direction of a systems analyst with a minimum amount of supervisor.

MAIN RESPONSIBILITIES

1. Design code, test and implement programs as outlined by the system analyst in charge of the system by:

   - meeting users with system analyst to determine specific user requirements
   - designing the layout of batch reports and on-line screen formats
   - planning the logic flow programs
   - keying in coded programs and compiling to check for syntax and logic errors
   - testing of all aspects of program logic, which includes the creation of test data and/or special run scheduling instructions
   - submitting the final test results to the system analyst for approval
   - presenting final test results to users
   - placing new programs into live production environment with the approval of the system analyst
   - documenting programs

2. Modify existing programs when the original specifications have been changed, and investigating and resolving problems with existing programs, as directed by the system analyst by:

   - analyzing program job dumps

- investigating program problems by using 'trace', and other interactive debugging tools
- testing of all aspects of the new code and assurance of the continued integrity of the remaining functions of the program
- submitting final test results to the system analyst for approval, before returning the program to the live production environment.

3. Assist the System Analyst by performing the following tasks:

- Providing a preliminary design sub-systems (file layout (i.e. size, type), record layouts, etc.
- Reviewing with the system analyst, the advantages and limitations of any new requests or a proposed solution to a problem.

4. Develop and implement operating instructions, and schedules by:

- creating job control instructions and documentation
- creating user department request forms/procedures
- defining data control procedures.

5. Provide technical services by:

- preparing and/or assisting with the preparation of user documentation
- preparing and/or assisting with the training of users
- providing support on the use and functioning of programs.

6. Perform other duties as assigned or required.

SKILL

- University degree or three year college diploma in Computer Science or equivalent.
- Programming skills in COBOL, RPGII, Assembler, JCL, online and batch.
- Knowledge of structured programming techniques.
- 4 – 7 years related experience.

EFFORT

- Complexity of job is in designing, coding and testing structured and involved programs from general specifications
- Visual strain from working on computer terminal (all day). Manual dexterity when keying into terminal (65 – 90%).

RESPONSIBILITY

- Independence of action in determining the design, code, test and implementation of new and existing programs.

- Errors in programs would affect the productivity in user areas as work would have to be redone. Poorly designed programs would provide poor services (e.g. overpayments, penalties, high transcripts).
- Contact with system analyst, computer operator and other Computer Services staff in performance of duties.

WORKING CONDITIONS

- Open concept office environment.
- Work has to be completed within deadlines. Stress from working with deadlines, and changing priorities.

1989