SENIOR PROGRAMMER ANALYST

Department: General Services
Classification: Competitive
Specification Number: 2440
Approved: 12/21/23
Revised: By JG

MINIMUM QUALIFICATIONS
OPEN COMPETITIVE
     Either:
     a) Graduation with a Bachelor's Degree in Computer Science or a related field of study from a college with federally-authorized accreditation or registration by NY State, and three (3) years of experience in systems analysis and computer programming which includes web application development*; or,
     b) Graduation with an Associate's Degree in Computer Science or a related field of study from a college with federally-authorized accreditation or registration by NY State, and five (5) years of experience in systems analysis and computer programming which includes web application development*; or
     c) Graduation from a standard senior high school and seven (7) years of experience in systems analysis, and computer programming which includes web application development.

NOTES: **Web application development is the creation of application programs that reside on remote servers and are delivered to the user's device over the Internet, and is distinguished from Windows-based application development. *All computer programming experience must have been gained in the last eight (8) years.**

 PROMOTIONAL
     Two (2) years of permanent competitive status as a Programmer Analyst or Systems Analyst.

DISTINGUISHING FEATURES OF THE CLASS
An employee in this title participates in planning, preparing and analyzing detailed plans for the solution of mathematical, and technical problems through the use of electronic data processing equipment. The incumbent is responsible for the maintenance, design, installation and enhancement of computer systems and related software. The incumbent may supervise a Programmer Analyst. Work is performed with independent judgment, and is reviewed through conferences, reports and observations by an administrative supervisor. Does related work as required.

TYPICAL WORK ACTIVITIES
     Participates in highly complex systems development projects;
     Advises a programmer in preparing detailed programs from diagrams and flow charts;
     Participates in preparation of diagrammatic plans as part of system documentation for the solution of problems;
     Confers with users and staff to define procedures and discuss solutions to problems;
     Devises procedures to solve problems keeping in mind capacity of equipment, and the form of desired results;
     May train and instruct technical personnel in electronic data processing matters;
     May assist staff in solution of difficult problems, including program writing.

KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS
Thorough knowledge of electronic data processing systems, principles and methods of application; thorough knowledge of data processing hardware and software; ability to write and validate complex computer programs, ability to analyze and solve difficult problems; ability to instruct and supervise others in a manner conducive to full performance and high morale; ability to follow detailed and complex written and oral instructions; ability to compile and prepare comprehensive reports and diagrams; ability to express oneself clearly and concisely, both orally and in writing; physical condition commensurate with the demands of the position.