



Office of Human Resources
IT Developer Senior - CI1452
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General Statement of Duties

Performs full performance level, professional systems analysis and programming work to design and implement information technology systems, including multiple operating systems and databases.

Distinguishing Characteristics

The Senior IT Developer is distinguished from the Staff IT Developer, which performs entry level professional system analysis and programming work maintaining and enhancing software application programs, operating systems, and databases.

The Senior IT Developer is also distinguished from the Associate IT Developer, which performs standard level professional systems analysis and programming work developing, maintaining, and enhancing software application programs, operating systems, and databases.

Next, the Senior IT Developer is distinguished from the Senior ERP Developer, which performs full performance level, professional programming work to design and implement Enterprise Resource Planning (ERP) systems, including multiple operating systems and databases.

Finally, the Senior IT Developer is distinguished from the Senior IT Systems Analyst, which performs full performance level professional work analyzing, refining, and documenting the business requirements of City department and agency customers included in the development, implementation and production of integrated technology software systems. The Senior IT System Analyst also serves as the end-to-end authoritative technical resource on the business requirements and information needs of customer departments and agencies in all phases of the application and system development life cycles.

Level of Supervision Exercised

By position, performs lead work.

Essential Duties

Leads the consultative process between users and other information technology staff to identify user problems and design new or existing systems; prepares a time line and project plan for the development or enhancement of new/existing software application programs.

Leads the analysis of user requirements, writes specifications and codes, and installs and documents software application programs.

Develops or modifies new or existing software applications programs of a high degree of complexity and scope.

Designs, develops, tests, debugs, implements, and prepares flow charts for both new and existing systems to automate end user files and records.

Integrates and implements software packages and coordinates necessary training for users.

By position, performs lead work over subordinate employees.

By position, may perform database administration duties including database organization, storage, updates, and establishment of rules relating to database security.

Performs other related duties as assigned or requested.

Any one position may not include all of the duties listed. However, the allocation of positions will be determined by the amount of time spent in performing the essential duties listed above.

Competencies

Attention to Detail – Is thorough when performing work and conscientious about attending to detail.

Customer Service - Interacts with customers in a friendly and professional manner, works to resolve issues quickly and effectively, and is knowledgeable about products and services.

Creative Thinking – Uses imagination to develop new insights into situations and applies innovative solutions to problems; designs new methods where established methods and procedures are inapplicable or are unavailable.

Problem Solving – Identifies problems; determines accuracy and relevance of information; uses sound judgment to generate and evaluate alternatives, and to make recommendations.

Technical Competence – Uses knowledge that is acquired through formal training or extensive on-the-job experience to perform one's job; works with, understands, and evaluates technical information related to the job; advises others on technical issues.

Technology Application – Uses machines, tools, instruments, or equipment effectively; uses computers and computer applications to analyze and communicate information in the appropriate format.

Writing - Writes in a clear, concise, organized, and convincing manner for the intended audience.

Knowledge & Skills

Knowledge of information technology and data processing sufficient to be able to review program specifications, design programs, and write or modify code.

Knowledge of the principles, methods, and tools for designing, developing, and testing software in a given environment.

Knowledge of information technology systems analysis, including systems design, sufficient to be able to maintain current systems and implement new systems.

Knowledge of the principles, methods, and tools for analyzing and developing software test and evaluation procedures.

Knowledge of computer languages and their applications to enable a system to perform specific functions.

Knowledge of database function and design sufficient to be able to implement network databases.

Knowledge of supervisory theories and methods sufficient to be able to perform a variety of lead work functions.

Education Requirement

Bachelor's Degree in Computer Science, Information Systems, Business Administration, Mathematics or a related field.

Experience Requirement

Three (3) years of professional experience in full life cycle development of business applications.

Education & Experience Equivalency

One (1) year of the appropriate type and level of experience may be substituted for each required year of post-high school education.

Additional appropriate education may be substituted for the minimum experience requirements.

Licensure & Certification

By position, requires a valid Driver's License at the time of application.

Licenses and certifications must be kept current as a condition of employment.

Working Environment

Handles absentee replacement on short notice.

Occasional pressure due to multiple calls and inquiries.

Pressure due to multiple calls and inquiries.

Subject to long, irregular hours.

Subject to many interruptions.

Subject to pressure for multiple calls, inquiries, and interruptions.

Level of Physical Demand

1-Sedentary (0-10 lbs.)

Physical Demands

(Physical Demands are a general guide and specific positions will vary based on working conditions, locations, and agency/department needs.):

Agility: bends, stretches, twists, or reaches out with the body, arms, or legs.

Balancing: maintaining body equilibrium to prevent falling over.

Carrying: transporting an object; usually by hand, arm, or shoulder.

Color vision: ability to distinguish and identify different colors.

Crawling: moving about on hands and knees or hands and feet.

Crouching: bending body downward and forward by bending legs.

Depth Perception: ability to judge distances and space relationships.

Eye/Hand/Foot Coordination: performing work through the use of two or more.

Feeling: perceiving attributes of objects by means of skin receptors.

Feeling: perceiving attributes of objects by means of spoken word.

Field of Vision: ability to adjust vision to bring objects into focus.

Field of Vision: ability to see peripherally.

Fine Dexterity: Coordinate eye-hand to operate a vehicle, reach, hold, grasp and turn objects.

Fingering: picking, pinching, or otherwise working with fingers.

Handling: seizing, holding, grasping, or otherwise working the hand(s).

Handling: seizing, holding, grasping, or otherwise working with fingers.

Hearing/Talking: Hear and determine direction of sound.

Hearing: perceiving the nature of sound by the ear.

Kneeling: bending legs to come to rest on one or both knees.

Lifting: raising or lowering objects weighing no more than 10 pounds, from one level to another.

Mathematical reasoning

Memorization

Mental Demands: mathematical reasoning, memorization, oral comprehension, spatial orientation, and written comprehension.

Neck Flexion: Moving neck upward/downward.

Oral Comprehension

Pulling: Exerting force upon an object so that it is moving to the person

Pushing: exerting force upon an object so that the object is moving away from the person.

Reaching: extending the hand(s) and arm(s) in any direction.

Repetitive motions: Making frequent movements with a part of the body.

Sitting: remaining in the normal seated position.

Standing: remaining one one's feet in an upright position.

Stooping: Bending the body by bending the spine at the waist.

Talking: Expressing or exchanging ideas by means of spoken words

Vision Far acuity: ability to see clearly at 20 feet or more.

Vision Near acuity: ability to see clearly at 20 inches or less.

Vision: To observe animal behavior, read signs, and reading colors.

Walking: moving about on foot on uneven surfaces.

Walking: moving about on foot.

Written Comprehension.

Background Check Requirement

Criminal Check

Education Check

Employment Verification

By position, Motor Vehicle Record

Assessment Requirement

None

Probation Period

Six (6) months.

Class Detail

Pay Grade: I-814

FLSA Code: Y

Established Date: 9/21/2018

Established By: LS

Revised Date:

Revised By:

Class History: