



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.

### 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.

### Level of Supervision Exercised

By position, performs lead work.

### 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: Ability to move quickly and easily.  
Balancing: Maintaining equilibrium.  
Carrying: Transporting or moving an object.  
Color vision: Ability to distinguish and identify different colors.  
Crawling: Moving about in a low or crouched position.  
Crouching: Positioning body downward and forward.  
Depth Perception: Ability to judge distances and space relationships.  
Eye/Hand/Foot Coordination: Performing work through using two or more body parts or other devices.  
Feeling: Perceiving attributes of objects by means of skin receptors, communication, or otherwise.  
Field of Vision: Ability to sharply detect or perceive objects peripherally.  
Fine Dexterity: Sufficient coordination to operate a vehicle and manipulate objects.  
Fingering: Picking and pinching, through use of fingers or otherwise.  
Handling: Seizing, holding, grasping, through use of hands, fingers, or other means.  
Hearing/Talking: Perceiving and comprehending the nature and direction of sounds/ability to communicate ideas.  
Hearing: Perceiving and comprehending the nature and direction of sounds.  
Kneeling: Assuming a lowered position.  
Lifting: Moving objects weighing no more than 10 pounds from one level to another.  
Neck Flexion: Perceiving objects located above or below.  
Oral Comprehension: Ability to discern the meaning of oral speech.  
Pulling: Exerting force upon an object so that it is moving to the person.

Pushing: Exerting force upon on object so that it moves away from the person.

Reaching: Extending the hands and arms or other device in any direction.

Repetitive motions: Making frequent or continuous movements.

Sitting: Remaining in a stationary position.

Standing: Remaining in a stationary position.

Stooping: Positioning oneself low to the ground.

Talking: Communicating ideas or exchanging information.

Vision Far Acuity: Ability to perceive or detect objects clearly at 20 feet or more.

Vision Near Acuity: Ability to perceive or detect objects at 20 inches or less.

Vision: Ability to perceive animal behavior, comprehend signs, and detect color.

Walking: Ability to move or traverse from one location to another.

Written Comprehension: Ability to discern the meaning of written words.

### 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:**