

DESCRIPTION: Under direct supervision, performs programming (coding) to create or modify computer applications; participates in design and analysis of computer applications; participates with other analysts in maintaining and enhancing computer applications; performs related work as assigned.

DISTINGUISHING CHARACTERISTICS: (A position is assigned to this class based on the scope and level of work performed as outlined below.)

This is the first level in the series of three (I.T. Applications Developer, I.T. Applications Developer/SR, I.T. Applications Developer/Lead). Incumbents classified to the I.T. Applications Developer level perform up to the journey level and primarily function as an assistant to higher level personnel in the series, or may independently perform coding on less complex applications.

EXAMPLES OF WORK: (A position may not be assigned all the duties listed nor do the listed examples include all the duties that may be assigned.)

General duties:

- Assists senior developers while consulting with clients on application issues
- Uses application development tools and utilities as appropriate

Systems Analysis:

- Assists senior developers in preparing the business problem definition
- Participates in information analysis and organization
- Participates in information collection
- Assists senior developers in preparing the economic evaluation
- Participates in the solution development and evaluation

System Design & Implementation:

- Assist in the development of the functional design
- Assist in the development of the technical design
- Assist in the development of the system specifications
- Assist in the development of the implementation plan
- Assist in the development and delivery of training
- Help develop support material
- Provide basic on-going support

Logical Database Design:

- Assist with gathering requirements and building logical model for design analysis
- Assist with creating logical view of business functions
- Assist in data management by creating and managing test data
- Assists in data structure by creating and managing test databases
- Assist with gathering requirements for data definition

Physical Database Design:

- Assist with creating physical model as part of the physical design
- Assist with creating data access methods
- Assists with creating sub-system facilities

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- Assist with creating IMS databases
- Assists with creating relational databases

Programming & Testing:

- Develop program code, assemble/compile code, and debug code
- Perform alpha/unit testing and participate in system program testing
- Prepare program documentation

KNOWLEDGE, SKILLS, AND ABILITIES REQUIRED: (These are needed at entry level to perform the work assigned.)

Knowledge of: software development principles and methods; basic math; design techniques, principles, tools, and instruments; principles, methods and procedures for designing, developing, optimizing, and integrating new and/or reusable systems components; software system testing procedures, programming and documentation.

Skill in: using basic math to solve problems; writing computer programs for various programs; effective communication; active learning-working with new material or information to grasp its implications; reading comprehension; writing, debugging and maintaining code; integrating hardware/software components; determining output media/formats.

Ability to: apply programming languages; read and understand information and ideas presented communicate information and ideas, so others will understand; reason deductively-apply general rules to specific problems to come up with logical answers and decide if an answer makes sense; recognize a problem; put information in order; organize different pieces of information into a meaningful pattern; concentrate and not be distracted while performing a task over a period of time; perceive similarities and differences in pieces of information; think logically; organize, plan and prioritize work; test, install, implement, document and maintain software; maintain source code; modify and upgrade code as necessary.

MINIMUM QUALIFICATIONS: (Applicants will be screened for possession of these qualifications. Applicants who need accommodation in the selection process should request this in advance.)

Experience, education, or training in coding computer applications.

SPECIAL NOTES:

State agencies are responsible to evaluate each of their positions to determine their individual overtime eligibility status as required by the Fair Labor Standards Act (FLSA).