



Classification Title: Application Developer

Department:	Programming	EEO6 Code:	3
Employee Group:	Classified	Salary Grade:	40
Supervision Received From:	Information Services Manager, Systems and Programming	Date of Origin:	9/2016
Supervision Given:	General Supervision	Last Revision:	9/2016

Class specifications are intended to present a descriptive list of the range of duties performed by employees in the class. Specifications are not intended to reflect all duties performed by individual positions.

JOB SUMMARY.

Using current application programming and relational database management system toolsets, performs a variety of technical functions involving application production support of the District's enterprise business systems including analyzing, designing, programming, testing, implementing and maintaining assigned modules; works with Business Systems Analysts, users and other Information Services staff to resolve applications and database problems and other business and operational issues.

DISTINGUISHING CHARACTERISTICS.

The Application Developer is distinguished from Senior Application Developer by the former's responsibility for performing a variety of technical journey-level functions involving the analysis, design, development, testing and implementation of enterprise business systems, while incumbents in the latter class work on technical assignments involving broader, more complex design and development issues and perform project leadership responsibilities for assigned projects.

ESSENTIAL AND MARGINAL FUNCTION STATEMENTS.

Essential Functions: Essential responsibilities and duties may include, but are not limited to, the following:

1. Learns technical aspects of functional areas and provides application production and user support for assigned modules of the enterprise system; analyzes and troubleshoots functional and technical problems including database, hardware, software and communication-related errors; researches enterprise system and interface documentation; identifies errors and works with Senior Application Developers, Business Systems Analysts and users to make necessary changes to solve problems.
2. Works independently on basic system and programming specifications utilizing established standards and procedures and receives instruction and guidance on new or unusual assignments; assists higher-level staff in the development of complex programs; verifies coded logic by testing and correcting programs following departmental standards.
3. Develops modifications or enhancements to existing enterprise business application programs to implement system design changes, meet user needs, correct errors or optimize system performance and cost effectiveness; assists in complex system analysis and design assignments; may assist in database management activities for a specific application.
4. Using applicable tools and following established procedures, develops custom queries and reports to meet user requirements; installs patches and fixes; writes program code to extend system functionality; participates in the

development of test environments and conducting and analyzing the results of unit and systems testing processes to ensure performance against application requirements; develops user and applications documentation following established procedures.

5. Participates and assists in user consulting, systems design and vendor contacts; communicates with user department staff, vendors and Information Services personnel to monitor accuracy and efficiency of systems and programs.
6. Prepares appropriate job run instructions for automated job scheduling and/or user initiation of job runs.
7. Documents assignment status and alerts Senior Application Developers or the Information Services Manager, Systems and Programming of problems or unexpected resource requirements.

Marginal Functions:

1. Operates a variety of computers and peripheral equipment.
2. Attends various meetings, trade shows and conferences.
3. Stays abreast of new trends and innovations in the computer field, particularly in the business application technology industry.
4. Performs related duties and responsibilities as required.

QUALIFICATIONS.

Experience and Education/Training Guidelines: Any combination of experience and training that would likely provide the required knowledge and abilities is qualifying. A typical way to obtain the knowledge and abilities would be:

Experience: Three years of progressively responsible experience in applications analysis and programming or administering a large integrated information system.

Education/Training: Equivalent to a bachelor's degree from an accredited college or university with major coursework in computer science, information systems or a related field.

Preferred Qualifications:

Applications analysis, programming, or administration experience with PeopleSoft.

Knowledge of:

1. Concepts, principles, techniques and applications of computer systems, analysis, design, programming and documentation.
2. Systems design principles and applications development methodologies, tools and utilities applicable to a large-scale enterprise system.
3. Relational database concepts, database architectures, standard database software, and general database structure and administration.
4. Principles and techniques of program planning, job scheduling and related control requirements.
5. Principles and methods of systems analysis, including business process and entity relationship analysis tools and methods.
6. Programming theory and applicable programming languages.
7. Systems integration design concepts.
8. Functions, capabilities, characteristics and limitations of standard platforms, operating system software and devices.

9. Basic network architecture and design concepts.
10. Principles and practices of sound business communications.
11. Basic project management tools and techniques.

Skill in:

1. Analyzing, designing, programming, installing and maintaining computer systems.
2. Balancing responsibilities for multiple projects to ensure timely results in accordance with established quality standards.
3. Evaluating alternatives and making sound, independent decisions within established guidelines.
4. Troubleshooting and diagnosing system problems and installing fixes or making repairs in areas of responsibility.
5. Operating a variety of computer software applications and peripheral equipment
6. Understanding and applying the analysis of functional requirements to the development of systems proposals, specifications and recommendations for efficient, cost-effective technology solutions.
7. Reading, interpreting, explaining and applying technical information on business processes, software and hardware.
8. Preparing clear and concise computerized reports and accurate documentation.
9. Understanding and following oral and written instructions
10. Communicating clearly and effectively, both orally and in writing
11. Setting priorities and organizing work to complete project responsibilities efficiently and effectively.
12. Keeping technical skills current to meet continuing applications development assignments.
13. Maintaining sensitivity to and understanding of the diverse academic, socioeconomic, cultural, disability, gender identity, sexual orientation, and ethnic backgrounds of community college students, faculty, and staff.
14. Establishing and maintaining effective working relationships with those encountered in the course of work

WORKING CONDITIONS.

Environmental Conditions: The employee primarily works in an office environment with a computer, monitor, keyboard and mouse and has regular exposure to computer screens and other standard business equipment.

Physical Conditions: Essential and marginal functions may require physical fitness requirements necessary to perform the job functions with or without accommodation, such as the ability to sit for prolonged periods and use hands repetitively to operate computers and standard business equipment; close visual acuity to view computer screens.

TERMS OF EMPLOYMENT.

The duration of any fully restricted funded position in this classification is dependent upon the continuation of funding.