

Job Summary

An Applications Developer I performs analysis and design for information technology applications. The position analyzes user business requirements and existing information technology systems in order to design processes, reports, forms, system modifications, and system repairs to improve technological solutions. Positions in this classification involve coding, testing, debugging, documenting and providing production support for application programs.

Nature of Work

This is a first level FLSA exempt professional information technology position that most often works as part of a team supporting a large, advanced computing system. Most Applications Developer I positions will be found in a central IT department such as the Division of Information Technology or a regional campus or a college computer center. This position may also be located in a program, center, or institute where a major function of the unit is the development and support of a specialized application. The position performs systems analysis, applications programming, and/or data base analysis and development for components of major applications systems. The position consults with end user and other stakeholders, then designs, develops, documents, codes and tests modifications to computer application programs. The position may also work on particular phases of system upgrades. The position analyzes workflow and develops reports and other output. This position requires expertise in particular programs as well as application of standard analysis and programming protocols. Positions in this classification meet the FLSA computer exemption test. The essential functions must be focused on systems analysis and applications development. This is a career professional position at the entry level requiring the ability to solve operating systems problems.

Examples of Duties/Areas of Responsibilities**Application Programming and Software Development**

- Develop program code, assemble/compile code, and debug code to meet user specifications.
- Use productivity tools to develop and modify applications software.
- Work with users to test and debug programs.
- Modify existing or third party software. Applies and troubleshoots vendor supplied upgrades; follows established methods for integrating or interfacing multiple applications.
- Write documentation to provide user support for programs and for production/operating procedures.
- Develops test data and revises programs to correct errors
- Maintain and support associated databases using standard procedures. Provides on- call support and problem resolution for applications.
- Participate in peer reviews, staff meetings, standards definition and process improvement projects.

Systems Analysis and Development

- Consult with users to identify and document requirements.
- Evaluate specifications and requirements against available systems and functionality.
- Designs components of solutions which may include applications, databases, networks, and related systems.
- Develop program specifications and review with user to ensure requirements are met.
- Recommend modifications to third party software.

Data Base Analysis and Development

- Analyze data requirements, develop and document data dictionary, and develop data models.
- Work with user community to understand data access and integration needs.
- Ensure the integration of systems throughout the database structure.
- Monitor database standards and procedures, system usage and performance.
- Troubleshoot and resolve database and data problems.
- Monitor, analyze, and verify data to ensure data integrity.
- Conduct file maintenance.
- Maintain the data dictionary.

Competencies/Skillsets

Ability to work as part of a team, technical expertise, debugging skills, computer skills. Detail oriented. Ability to meet deadlines.

Minimum Qualification Requirements

High School Diploma or Equivalent and IT certification, OR

High School Diploma or Equivalent and 1-year relevant work experience, OR

Bachelor's degree in Computer Science, MIS or other field involving software and analytical training

USF JOB CLASS DETAILS

Job Code: 4442

Job Title: Applications Developer I

Job Function: Information Technology

Pay Plan: Administration

Career Band: E

FLSA: Exempt

Union Code:

Bargaining Unit:

Supervisor Level:

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