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- x Collaborate with subject matter experts and project managers to establish the technical vision and analyze tradeoffs between usability and performance needs; serve as liaison between business units, technology teams and support teams; support colleagues in learning and sharing information and experiences regarding business software planning and development issues, problems, and concerns. ”E”
- x Perform a broad range of software or applications development duties, including technical coding design, interface design, create variety of operating systems, platforms and device
  - x Provide technical support and software development for a variety of integrated enterp such as PeopleSoft or similar Enterprise Resource Planning (ERP) software, Team C Software tools, data warehousing and similar programs. “E”
  - x Design, code, test, and analyze software programs and applications, including resear document, upgrade and modify software specifications throughout production lifecycle users to prototype, test, and validate the functionality of developed applications. “E”
  - x Participate in and support existing systems, applications, and databases by respondi requests for service, enhancement, modification, customization or information and tra troubleshoot, diagnose, and repair bugs and malfunctions on production and/or in-hou systems. “E”
  - x Assist in, develop and track project work plans; provide written and oral communicatio timelines, status, deadlines and completion; create and follow change control procedu review completed work and work in progress for functionality and advise administratio projects and any problems impeding completion. “E”
  - x Evaluate information gathered from multiple sources, reconcile differences, deconstru information into details, abstract up from low-level information to a general understand distinguish user requests from underlying actual needs. “E”
  - x Develop and use modeling tools to document the current state of business processes desired future state; transfer knowledge of business implications to application/databa and project managers for software development preparation. “E”
  - x Perform feasibility analysis, GAP analysis, scope projects, diagram business objective requirement diagrams. “E”
  - x Prioritize, translate, and understand current business initiat ives, identifying the opportunities where technology or automation can add business value for stakeholders. “E”

- Test solutions for functionality, performance, reliability, stability and compatibility with legacy and / or external systems; review functional and design specifications to ensure full understanding of individual deliverables. Document and maintain functional test cases and other test artifacts like the test data, data validation, harness scripts and automated scripts. “E”
- Identify any potential quality issues per

The Information Technology Business System Developer Analyst I is the primary level classification in the series. Employees in this classification learn to perform the full scope of a particular developer analysis function and develop skills and expertise to provide the full scope of work related to their area of specialization, including understanding of basic concepts essential for the development, testing, software deployment, and maintenance of systems. Employees are expected to develop overall expertise necessary to provide leadership in their assigned functional area and independently analyze and evaluate system functionality, processes and outcomes.

Upon successful completion of not less than two (2) years developing expertise in the full scope of the assigned functional area, ensuring the complete and effective development, modification and integration of the information technology projects, participation learning multiple platforms' systems and functionality, developing a variety of software applications, troubleshooting and problem-solving bugs, development and integration issues, employees in this classification who have gained sufficient knowledge of the broader scope of more complex elements of the professional level may advance, with the confirmation of duties and recommendation of department leadership, to the Information Technology Business Systems Developer Analyst II classification.

The Information Technology Business System Developer Analyst II is the professional level in the classification series. Employees perform the full scope of a specified functional area of a business system and gain familiarity with and participate in the full scope of development or business system analysis. Employees identify, deconstruct, implement, test, and maintain the needs of end users. This includes the evaluation and modification of systems to assure functionality and smooth integration of software across multiple platforms.

The Information Technology Business Systems Developer Analyst III series is responsible for the highest level of software development and business analysis with employees providing the full scope of business systems analysis and development. Employees participate in and hold responsibility for the seamless integration of the business needs and processes with application development and deployment systems involved in the development through-delivery of customized and off-the-shelf software systems essential for District programs technology needs. Employees may provide mentorship, guidance, and/or oversight to designated staff; projects tend to have high visibility and are managed with limited supervision. This classification series is distinguished from the IT Project Management classification series by the focus on workflow systems and quality assurance testing strategies and the requirement to map out processes for software development through live implementation.

The Business Systems Developer Analyst classification series differs from the Infrastructure Administrator and Enterprise Solution Administrator classification series' by its primary focus on the customization, coding and modification of open source and proprietary software, applications and programs. The Infrastructure Administrator and Enterprise Solution Administrator classification series' primary focus is on the configuration and maintenance of hardware, software and systems.

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Knowledge of:
Enterprise-wide requirements definition and management systems and methodologies. Databases, schemas, SQL scripts, and database queries.
A variety of programming languages, such as C#, CSS, SQL, Python, Javascript, Powershell their applications and uses; programming and script reading and writing.
Operation, capabilities and limitations of a variety of platforms, programming languages, relational databases, non-relational databases, distributed systems, and operating systems.
IT Business process functions and methodologies and work breakdown structures (WBS) fundamentals.
Application, database and software development, customization, design, methodologies and life cycle;

application development tools, and databases including ERP's, oracle systems and team collaboration software tools.
Web and application development frameworks and tools such as Visual Studio and SQL Server Management Studio and related programing language; open source and proprietary application development tools and principals.
The use of testing tools and methodologies; troubleshooting, debugging and error detection techniques.
Strategic planning and project management methodology including Waterfall and Agile methodologies, specifically Scrum; methodologies for proactively leading technological advancements.
Data warehouse concepts, programing and methodology.
Productivity suites such as Microsoft Office or G-Suite.
Record keeping techniques; data modeling theory and methods.
Project management, scheduling, tracking and reporting techniques.
Effective team leadership and training techniques and methodology.
Software development lifecycle.
Analytical and product management skills, including a thorough understanding of how to interpret customer business needs and translate them into application and operational requirements.
Oral and written communication skills.
Applicable laws, codes, regulations, policies and procedures.
Effective customer service skills using tact, patience and courtesy.
Testing processes and methodologies including black and white box testing.

Ability to:
Understand and apply information technology systems workflow processes as well as relationships with other internal and external system databases.
Collaborate with customers to identify business needs and software solutions. Design logical system processes. Perform business analysis and understand functional and process needs of departments supporting.
Analyze, design, write, modify, develop, apply patches, and maintain applications, software, databases and related databases using standard web, software and application development tools.
Serve as technical lead on moderately complex systems and/or back up for large, complex systems.
Provide advice and mentor staff on applications development methods and standards or specific systems issues.
Create testing scripts and installation processes.
Troubleshoot, diagnose and problem solve application performance problems and software issues. Keep knowledge and skills current; learn and develop technical expertise with current, future, state-of-the-art software applications.
Think critically about a problem, approach from multiple perspe ‘ . . p Ŕ ‘ rotechmoldG V . l א M

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Drive and challenge business units

Any other combination of education, training and experience whi