



CLASS SPECIFICATION FOR:

## IT Application Developer III

### General Statement of Duties:

Works independently and as part of an application team to perform a variety of advanced analytical and development tasks to develop, enhance and modify County-developed systems in web-based, client, window service and web service environments; performs advanced design, application and interface development, relational database design and development, object oriented programming, testing, configuration, modification, analysis and maintenance programming work on County-developed applications; performs related work as required.

### Distinguishing Features of Class:

An employee in this job classification works in the County's centralized IT Department as part of an application team and performs advanced design, development, testing, configuration, enhancement, modification and maintenance programming work on County-developed systems, applications, tools, portals, web sites, reports, and other end user features and enhancements; and performs a variety of advanced analytical and programming tasks to enhance and maintain County-developed software and systems associated with underlying technologies such as client-server, services oriented, database, web-based, client, window service and web service environments. Handles complex issues with minimal oversight. Work is performed under the direction of the IT Manager.

### Examples of Assigned Duties *(illustrative of the types and scope of duties and responsibilities assigned to positions in this class):*

- Proficiently performs all the tasks, duties and responsibilities of the IT Application Developer I and II levels as assigned;
- Performs advanced design, development, testing, configuration, modification and maintenance programming work on County-developed applications;
- Performs advanced analysis, design, development and maintenance work creating relational database objects using object oriented coding techniques;
- Performs a variety of advanced analytical and development tasks to develop, enhance and modify County-developed systems in web-based, client, window service and web service environments;
- Defines and develops complex reports and forms as specified by the procurement using a variety of reporting tools
- Designs and develops complex interfaces between application systems;
- Performs complex design, development and maintenance work creating relational database objects using object oriented coding techniques;
- Evaluates, and debugs complex software system and application issues;
- Works with procurement to analyze needs, scope requirements, and interpret specifications, evaluate feasibility and options, determine priorities, and design modifications for complex application development;
- Works with a development team performing a variety of complex analytical and development tasks to develop, enhance and modify in-house systems in web-based, client, window service and web service environments;
- Works on multiple project requests; evaluates user requests to determine feasibility and to estimate resource requirements;
- Plans and organizes complex projects, ensures connectivity for complex systems that typically have multiple, layered interfaces; performs advanced systems analysis tasks and proposes solution designs;
- Assists Level I and II Applications Developers with complex or larger-scale assignments;
- Supports a 24/7 application environment, responding to emergencies and critical system failures as needed;
- Monitors and evaluates efficiencies and/or effectiveness of applications and the underlying relational database structures;
- Prepares/delivers training, procedural manual, testing requirements, and required documentation for system end users;
- Creates technical documentation and communicates complex technical information to non-technical audiences (oral and written) in user friendly language;
- Trains and mentors level I and II Application Developers;
- Independently designs and develops small to medium scale applications with some resource support;
- May be assigned to a large scale application project to design and do primary development;
- Works in team environments;



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- Creates and maintains accurate documentation, paper and electronic records including current work order system;
- Actively maintains high level of proficiency in application development tools, techniques and technologies;
- Maintains a current comprehensive working knowledge of systems and applications as well as related hardware, software and peripherals used by the County and stays up-to-date with emerging technologies, systems, software and applications;
- Attends all scheduled training and meetings;
- Performs other duties as assigned.

**Required Knowledge, Skills and Abilities:**

Advanced application development and programming skills using one or more of the current or County utilized development tools/coding languages; advanced analysis and design skills; advanced interface development skills; advanced working knowledge of relational database models and the tools used to design and create physical databases; advanced SQL skills to query and update tabular data in a relational databases; advanced knowledge with experience using one or more current programming tools including but not limited to .NET, PL/SQL, Javascript, HTML5, C Sharp, Visual Basic, Reporting tools, and business intelligence tools; advanced working knowledge of object oriented programming; thorough working knowledge and understanding of County's operational needs and end-users' needs related to County developed systems, applications and tools; advanced computer skills with excellent problem solving/troubleshooting skills and the demonstrated ability to synthesize data provided by end users, identify technical issues, identify and implement appropriate resolution to solve a variety of technical issues; critical thinking skills with the ability to problem solve and make sound decisions, including but not limited to under pressure; excellent interpersonal and communication skills with the ability to communicate technical information to non-technical audiences in user friendly language; ability to express ideas clearly and concisely, orally and in writing; ability to create and maintain accurate technical documentation; excellent interpersonal and communication skills with the ability to partner effectively and establish and maintain a good working relationship with IT staff and County staff; sound project management skills sufficient to manage assigned project and related resources to completion; strong computer skills with ability to proficiently use computer and typical business software and applications as well as related peripherals and wireless devices; physical condition that permits the activities necessary in and inherent to the assigned duties such as manual dexterity; ability to multitask and effectively manage competing priorities and make sound decisions; personal accountability including teamwork and establishing and maintaining positive relationships with IT staff and department staff Countywide; ability to work independently and recognize when to elevate issues for guidance or resolution; excellent customer service skills; tact; and courtesy. Must be able to positively and appropriately represent the County and IT Department with end users in various department Countywide. May occasionally require ability to work a flexible schedule or work at various locations Countywide as needed.

**Minimum Education and Experience:**

Education: Four-year degree in relevant IT field of study;

Experience: Two (2) years of relevant experience;

OR: Any equivalent combination of experience and training which provides the required knowledge, skills and abilities.

**Additional Requirements:**

NOTE: Effective 4/1/2009 County Ordinance 1128 requires a criminal history record check and fingerprinting of all employees in authorized and hourly safety sensitive positions.

NOTE: All employees are required to successfully complete National Incident Management System (NIMS) Incident Command System (ICS) 700 (Introduction) training. Successful completion of additional NIMS ICS training courses may be required based on the job classification, level of responsibility, and department. Please refer to Fire's Intranet site for a list of NIMS ICS requirements by job classification.

- May require a valid driver's license to provide support at various locations Countywide.