CLASSIFICATION SPECIFICATION

Applications Development Specialist (Web)

FT/PT Class Code: 5090, 5590   Pay Grade: B/C 16   FLSA: Exempt   Rev. 09/17/12

SUMMARY STATEMENT: An incumbent is responsible for developing and maintaining custom web-based applications. Duties include: designing, building, testing, implementing and maintaining database-enabled web applications to meet specific user requirements using web programming languages, databases, development tools, etc.

NATURE AND SCOPE:

The incumbent will report to the Web Application Developer as part of the college Web Application Development Team. Duties include: aiding in the planning, development, implementation and maintenance of database-enabled web applications, frameworks and related databases running in a multiple operating system client/server environment; preparing test data, testing web applications for accuracy and efficiency, debugging code, writing required documentation and system procedures as well as troubleshooting difficulties with applications, software and hardware. An incumbent in this class may also serve as a team leader on a project basis periodically. Principal contacts are with users at various College locations in order to analyze, define, and translate their information systems and procedures into application specifications.

PRINCIPAL ACCOUNTABILITIES:

An incumbent may perform any combination of the below listed accountabilities:

1. Writes object-oriented PHP code with integrated MySQL and PL/SQL; develops applications using industry standards and best coding practices.

2. Writes HTML, JavaScript and CSS. Utilizes the DOM, handles AJAX transactions and form component manipulation.

3. Designs web application logic flow, writes new application specifications and modifies existing web applications, develops test data, tests and debugs web applications.

4. Remains current with the latest versions of PHP, MySQL, Oracle, HTML, JavaScript and CSS. Researches and develops new ideas in web application development.

5. Prepares and maintains technical, operational and end-user documentation for applications, databases and systems implemented and supported by the Collegewide Applications department.

6. Provides user orientation and training for new and modified web applications as assigned.

7. Periodically serves as team leader/project manager in developing, implementing, and documenting a web application as assigned.

8. Assists Web Application Developer as assigned.

PRINCIPAL ACCOUNTABILITIES, cont.d:

9. Monitors web application operation and performance and provides system support as required both during and outside of normal business hours.

10. Performs other related duties as required.

KNOWLEDGE, SKILLS, AND ABILITIES:

◊   Advanced knowledge of PHP and techniques in database-enabled, class-based web programming.
◊   Ability to hand-code HTML 4 and 5, JavaScript and CSS3.
◊   Knowledge of SQL syntax with familiarity in MySQL and Oracle as well as relational database design and query development.
◊   Ability to use JavaScript to manipulate form elements and perform client-side data validation.
◊   Knowledge of the elements of web design and layout implementation with DIV and TABLE tags.
◊   Ability to complete multiple tasks concurrently and meet established deadlines.
◊   Ability to troubleshoot and diagnose code, database and web server related errors.
◊   Knowledge of the concepts, methods and techniques of system design and program specification preparation.
◊   Knowledge of project management, database management concepts and systems development life cycle methodology.
◊   Knowledge of Linux command line, file system and permissions, SSH, SCP connection and file transmission.
◊   Knowledge of coding standards and best practices.
◊   Knowledge of cross-browser compatibility issues and solutions.
◊   Knowledge of the tools and techniques for testing software and for debugging and testing database-enabled web applications.
◊   Ability to design a logical flow of programming steps.
◊   Ability to communicate effectively, orally and in writing, with a variety of users.
◊   Ability to develop test data, test, and debug database-enabled web applications.
◊   Ability to write end-user, operational, and program documentation.
◊   Ability to establish and maintain effective working relationships with users, subordinates, and co-workers.

MINIMUM QUALIFICATIONS:

◊   Associate's degree in a relevant field and two (2) years of relevant experience; or other equivalent combination of education and experience.