CLASSIFICATION SPECIFICATION

DELAWARE
TECHNICAL ◆ COMMUNITY
COLLEGE

Web Application Developer

FT/PT Class Code: 5123, 5623   Pay Grade: B/C 19   FLSA: Exempt   Rev. 03/15/12

> **SUMMARY STATEMENT:** An incumbent is responsible for developing and maintaining customized web-based applications at the advanced level for College-wide use of educational systems. Duties include: designing, building, testing, implementing, and maintaining web and database applications to meet specific user requirements using latest generation programming languages and development tools such as PHP, Java, Ajax, etc. An incumbent serves as the "expert" in any position specific areas.

NATURE AND SCOPE:

This is a single incumbent position. The incumbent is responsible for the design, development, and support of web applications, web integrated database applications, databases, reports designed against them, and their integration with web-based software systems in a multiple operating system client/server environment. The incumbent will also advise the manager of educational systems and other departments on web applications, web integrated database applications, database systems and database management in these environments and will be assigned to either assist or coordinate major and minor projects. In addition, the incumbent will develop new solutions and maintain existing and new applications and databases.

PRINCIPAL ACCOUNTABILITIES:

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

1. Works on projects assigned by the the Manager of Applications, applying development expertise to design, write, test, implement, and document web applications and web integrated database applications and provide project leadership as needed.

2. Prepares and maintains documentation for applications, databases and systems implemented and supported by the Collegewide Applications department.

3. Assists with the development of College-wide data and reporting strategies and their integration with Applications. Maintains applications usage statistics.

4. Communicates relevant advances in operating systems, web-based applications, database tools, and computing technology to the Manager of Applications.

5. Administers Web applications on the various systems, servers and monitors application operation and performance, providing system support as required both during and outside of normal business hours.

6. Administers and integrates the Single sign on application with the College-wide active directory and Banner system for organizing students, faculty, and staff, both for authentication and authorization purposes, and for group and individual identification.

PRINCIPAL ACCOUNTABILITIES, cont'd:

7. Trains faculty and staff on the use, extension, and enhancement of applications offered by the Applications department.

8. Performs internal auditing to ensure compliance with College, state and federal procedures and policies.

9. Performs other related duties as required.

KNOWLEDGE, SKILLS, AND ABILITIES:

◊ Working knowledge of the MS Windows development environment with an understanding of basic production and system administration tasks.
◊ Development experience with PHP or other high-level programming languages such as Java.
◊ Experience in developing at least one significant software project in the website application paradigm.
◊ Proficiency with SQL and relational databases, database design, security and object development, including stored procedures and triggers. Development experience with MS SQL server is preferred; knowledge of Oracle or MySQL RDBMSs is also acceptable.
◊ Knowledge of HTML, JavaScript, AJAX, Flash and related technologies.
◊ Skill in using diagnostic and performance tools and other software products to maintain established standards for database management systems.
◊ Ability to effectively interact with diverse individuals, including developing and maintaining effective working relationships.
◊ Ability to complete multiple tasks concurrently and meet established deadlines.
◊ Ability to be detail oriented and follow through regarding tasks and projects.
◊ Ability to write and explain technical specifications documentation.
◊ Ability to quickly absorb complex systems and be willing to learn new technologies.
◊ Ability to think creatively and develop creative solutions to information management system problems.
◊ Ability to communicate effectively both orally and in writing.
◊ Ability to effectively interact with diverse individuals, including developing and maintaining effective working relationships.

MINIMUM QUALIFICATIONS:

◊ Bachelor's degree in Computer Science, Engineering, or other related technology field or other equivalent combination of education and experience.
◊ Minimum of 4 years of professional web application development experience using PHP, MYSQL, or Java.
◊ Minimum of 2 years of experience working with HTML, DHTML, JavaScript, and CSS.
◊ Minimum of 2 years of experience working with browser compatibility issues.
◊ Minimum of 2 years of experience working with optimizing web based graphical user interfaces.