

SAN BERNARDINO COMMUNITY COLLEGE DISTRICT

EDUSTREAM WEB APPLICATIONS DEVELOPER

*Class specifications are intended to present a descriptive list of the range of duties performed by employees in the class. Specifications are **not** intended to reflect all duties performed within the job; however, any additional duties will be reasonably related to this class.*

This is a full-time categorically funded position and is contingent upon the availability of funds and "life of the grant".

SUMMARY DESCRIPTION

Under the direction of the appropriate administrator, the position will develop and maintain computer applications for EduStream; responsible for the day to day maintenance and operation of the EduStream web site; and coordinates web functions, monitors activities, incorporates new technologies and enhances the EduStream web site.

REPRESENTATIVE DUTIES

The following duties are typical for this classification.

1. Designs and develops systems, modules, programs and procedures including testing and technical documentation.
2. Design and implement web interfaces for EduStream.
3. Develops and/or reviews user documentation and training to assure technical accuracy.
4. Performs programming in the language as directed including SQL.
5. Develops new reports; rewrites existing applications; writes new procedures and/or functions for new production requirements and one-time programs for testing or to correct production problems.
6. Gathers requirements and/or specifications for EduStream computer applications.
7. Develops clear, detailed technical and user documentation that will facilitate support for developed applications.
8. Performs periodic checks on the web server to ensure software and hardware is functioning correctly.
9. Queries database to assist users and provide requested information.
10. Maintain current knowledge of web technologies and communicate the information to promote and support system usage.
11. Provide current information and support on EduStream uses and services.
12. Performs related duties as required.

QUALIFICATIONS

The following generally describes the knowledge and ability required to enter the job and/or be learned within a short period of time in order to successfully perform the assigned duties.

Knowledge of:

Principles and techniques of software design and implementation skills with programming languages used by the District.

Principles and methods of system analysis and program design.

Methods, principles and techniques of web design, development and implementation.

Proficiency in programming languages as C#, ASP.NET, HTML and CSS in Microsoft's Visual Studio; Java and JavaScripts; and Microsoft's SQL Server.

Microsoft Office products.

Multiple scripting and/or programming languages.

Ability to:

Study, identify, and resolve complex operation problems/develop and revise computer systems applications.

Design, build, deploy, and support applications in a complex, distributed data environment.

Participate in the development and administration of goals, objectives, and procedures for EduStream.

Gather and analyze data and situations and make appropriate decisions.

Prepare and present comprehensive, concise, clear oral and written reports.

Analyze problems, identify alternative solutions, project consequences of proposed actions and implement recommendations in support of goals.

Demonstrate a sensitivity to, and understanding of the diverse academic, socioeconomic, cultural, and ethnic backgrounds of community college students and personnel, including those with physical or learning disabilities.

Demonstrate professionalism, fairness and honesty in all aspects of the performance of duties.

Communicate clearly and concisely, both orally and in writing.

Establish and maintain effective working relationships with those contacted in the course of work.

Work in a team environment.

Education and Experience Guidelines:

Education/Training:

A Bachelor's degree from an accredited college or university with major course work preferably in Computer Science or a related field.

Required Experience:

Six (6) years of programming experience in C# and ASP.NET; HTML and CSS; Java and JavaScript; or SQL.

License or Certificate:

Possession of a valid California driver's license and show proof of a good driving record with the California Department of Motor Vehicle.

Preferred Experience:

1. Experience that demonstrate a sensitivity to and understanding of the diverse academic, socioeconomic, cultural, and ethnic backgrounds of community college students and employees, including those with physical or learning disabilities.

PHYSICAL DEMANDS AND WORKING ENVIRONMENT

The conditions herein are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential job functions.

Environment: Work is performed primarily in a standard office setting.

Physical: Primary functions require sufficient physical ability and mobility to work in an office setting; to stand or sit for prolonged periods of time; to occasionally stoop, bend, kneel, crouch, reach, and twist; to lift, carry, push, and/or pull light to moderate amounts of weight; to operate office equipment requiring repetitive hand movement and fine coordination including use of a computer

keyboard; and to verbally communicate to exchange information.

Vision: See in the normal visual range with or without correction; vision sufficient to read computer screens and printed documents; and to operate assigned equipment.

Hearing: Hear in the normal audio range with or without correction.

Board Approved: November 5, 2009

Range: 54