SAN DIEGO COUNTY OFFICE OF EDUCATION

Personnel Commission

CLASS TITLE: **Web Developer/Programmer, Grade 60**

DEFINITION:

Under general supervision, performs programming development, implementation and updates to new and current online applications, and develops and implements a usability testing process to ensure new web applications meet requirements.

DIVERSITY STATEMENT:

Because each person is born with inherent worth and dignity, and because equitable access and opportunity are essential to a just, educated society, SDCOE employee commitments include being respectful of differences and diverse perspectives, and being accountable for one's actions and the resulting impact.

REPRESENTATIVE DUTIES:

This position description is intended to describe the general nature and level of work being performed by the employee assigned to the position. This description is not an exhaustive list of all duties, responsibilities, knowledge, skills, abilities, and working conditions associated with the position. Incumbents may be required to perform any combination of these duties. All requirements are subject to possible modification to reasonably accommodate individuals with a disability.

ESSENTIAL FUNCTIONS:

Creates the technical aspects of websites using standard tools according to accepted standards of design.

Works with database administrators to design, implement, and maintain integrated database solutions.

Seeks direction from supervisor or scrum master in interpreting complex requirements and specifications.

Analyzes, designs, and codes program instructions for web-based applications, windows applications, mobile applications and operating systems applications.

Prepares system tests, conducts tests of systems, audits test results and corrects errors in program logic.

Prepares and maintains program/project documentation.

Stays up-to-date on development best practices pertaining to security, ADA compliance, telemetry and search engine optimization.

Maintains and enhances existing applications to meet new requirements or standards.

Prepares technical instructions and manuals.

Prepares change management requests and presents them (if needed) to change management board

Configures both in-house and third-party vendor software.

Researches emerging technologies and concepts and reports findings to supervisor.

Participates as a member of research and development teams.

Maintains privacy of information.

Engages in knowledge sharing activities to learn and share knowledge with programming staff.

Provides training and support which could involve presenting to staff and clients.

NON-ESSENTIAL FUNCTIONS:

Performs related duties as assigned.

KNOWLEDGE AND ABILITIES:

KNOWLEDGE OF:

Web Applications and programming languages such as .NET 4.0+, AJAX, C#, SQL Reporting Services, SQL, MySQL, JavaScript, HTML5, CSS, jQuery, SharePoint.

Web Services (REST, SOAP, etc.) is needed to be successful in this position.

Web design techniques and maintenance strategies including editing, publishing and modifying web applications.

Web server functions, configuration tools, web browsing, and enhancement tools; current web languages.

Effective internet design, terms, processes, development tools and practices.

Configuration, implementation, and maintenance of relational database management system components.

Principles and techniques of programming using a variety of computer and web programming languages

Documentation methods and techniques

Familiarity with:

PeopleSoft environment and Oracle systems

Developing in Cloud-based platforms

Databases

Team Foundation Server

Agile programming methodologies

Sharepoint 2013 or higher

Familiarity with Content Management Systems

Office 365

UI, cross-browser compatibility, general web functions and standards.
Planning and delivering software platforms used across multiple products and organizational units.

ABILITY TO:

Code, test and maintain computer programs using a variety of programming languages, such as .NET 4.0+, AJAX, C#, SQL Reporting Services, SQL, MySQL, VBScript, JavaScript, HTML5, CSS, jQuery, Sharepoint, XML, PHP, and other standard and/or evolving technologies

Troubleshoot, analyze and resolve problems

Program and test effectively and efficiently, producing maintainable and write code

Learn new technologies and develop solutions to support clients

Meet schedules, deadlines, and time lines

Communicate effectively both orally and in writing

Work independently and as a member of a team

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

Organize and prioritize work

Exercise appropriate judgment in making decisions

Maintain confidentiality of information

Demonstrate attendance sufficient to complete the duties of the position as required

Utilize a variety of programming tools.

Perform higher levels of math such as advanced algebra, calculus and/or statistics; to read technical information, create and/or compose documents and/or participate in panel discussions; and to analyze situations to define issues and draw conclusions.

CREDENTIALS, CERTIFICATES, LICENSES OR OTHER REQUIREMENTS:

None

EDUCATION AND EXPERIENCE:

A combination of education, training and/or experience that clearly demonstrates possession of the knowledge and abilities listed below. A typical qualifying background would include: completion of college-level coursework in computer science, information systems or a related field, and a minimum of two years job related experience in web design and development using Microsoft Web Development tools and programming languages. Possession of a bachelor's degree in the fields listed above may be considered as fulfillment of the work experience requirement.

WORKING CONDITIONS & PHYSICAL ABILITIES:

Duties are performed in an office setting.

Must be able to hear and speak to exchange information; see to perform assigned duties; sit for extended periods of time; possess dexterity of hands and fingers to operate a computer keyboard and other equipment; kneel, bend at the waist, and reach overhead, above the shoulders and horizontally, to retrieve and store files; lift light objects.

Established	Approved by Personnel Commission	Revised	FLSA Status	Salary Grade
04/03	April 2013	09/06, 03/10, 9/10, 6/13, 3/14, 6/17	Non-Exempt	Classified Support Grade 60