

SAN DIEGO COUNTY OFFICE OF EDUCATION
Personnel Commission

CLASS TITLE: **Web Developer/Programmer (Grade 60)**

DEFINITION:

Under general supervision, performs programming in the development and implementation of computer applications that may interface with financial, payroll, Human Resource, and Educational Systems.

REPRESENTATIVE DUTIES:

ESSENTIAL FUNCTIONS:

Under the direction of a Project Manager, develops software programs.

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.

Analyzes, designs, and implements computer applications.

Refers programming problems to supervisor and/or lead staff member and works collaboratively to resolve.

Modifies existing programs.

Prepares technical instructions and manuals.

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.

NON-ESSENTIAL FUNCTIONS:

Performs related duties as assigned.

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 one year of work experience performing comparable duties. Possession of a bachelor's degree in the fields listed above may be considered as fulfillment of the work experience requirement.

KNOWLEDGE AND ABILITIES:

KNOWLEDGE OF:

PC server-operating environment

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

Documentation methods and techniques

Familiarity with:

PeopleSoft environment

Team Foundation Server

Agile programming methodologies

Sharepoint 2010 or higher

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 effectively and efficiently, producing maintainable code

Quickly 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

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.

DISTINGUISHING CHARACTERISTICS:

The Web Developer/Programmer II is distinguished from the Web Developer/Programmer I in that the former not only performs web programming duties, but may be assigned duties related to the analysis, design, and implementation of computer applications.

Established:

Revised:

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