

SACRAMENTO COUNTY OFFICE OF EDUCATION

CLASSIFICATION TITLE: Project Specialist II, Programming / Application Development

DEFINITION

Under general direction, acts as technical lead in the development of data management systems and applications; plans, codes, implements and supports ColdFusion and Structured Query Language (SQL) Server-based technology solutions to meet clients' technology needs; utilizes the system development life cycle to ensure the creation of quality systems; performs other duties as assigned.

DISTINGUISHING CHARACTERISTICS

The Project Specialist II is distinguished from the Project Specialist I by the extensive knowledge and experience required regarding client relations, project management, database programming, Web programming and user interface design. Further differences include responsibilities and decision-making at a higher level than normally assigned to a Project Specialist I.

DIRECTLY RESPONSIBLE TO

Appropriate administrator

SUPERVISION OVER

Professional, technical and clerical staff as assigned

DUTIES AND RESPONSIBILITIES (Any one position may not include all of the listed duties, nor do all of the listed examples include all tasks which may be found in positions within this classification.)

Serves as technical lead in the development of sophisticated data management systems and applications; translates complex business requirements into extensible, scalable and maintainable applications; uses the system development life cycle to plan, develop and deliver applications; prepares functional requirement documents, database design specifications and visual prototypes; estimates time and effort to complete each feature; utilizes ColdFusion components and a framework methodology, such as Fusebox, to produce clean, modular and efficient code; writes and tunes SQL queries using complex joins, stored procedures and views; implements security protocols to mitigate vulnerabilities including cross-site scripting and SQL injection; expertly codes and oversees the creation of Hypertext Markup Language (HTML), JavaScript and Cascading Style Sheets (CSS); follows coding standards and proven best practices; utilizes World Wide Web Consortium (W3C) programming standards to address accessibility guidelines; writes clear and concise documentation for maintenance and updates; manages the testing process and thoroughly tests code for all contingencies outlined in the requirements documentation; maintains and modifies existing applications to be able to support existing systems programmed in various languages including PHP, Active Server Pages (ASP), .NET, Java, and backed by various database management systems including Oracle and Microsoft Access; handles multiple projects and deadlines simultaneously; provides user-friendly technical support to clients; and able to communicate well with team members and clients, both orally and in writing.

MINIMUM QUALIFICATIONS

Education, Training and Experience:

Any combination of education, training and experience equivalent to a bachelor's degree from an accredited institution; progressively responsible experience as a lead ColdFusion developer with expert-level skills in coding current releases of ColdFusion, or expert-level skills as a Java developer with ColdFusion experience; expert-level skills with Microsoft SQL Server.

Knowledge of:

Current releases of Adobe ColdFusion and Microsoft SQL Server; Cascading Style Sheets (CSS); JavaScript; database architecture; framework methodologies such as Fusebox; system development life cycle; federal accessibility standards and W3C code validation; project management processes.

Skill and Ability to:

Successfully develop and manage the programming of complex database-driven Web sites; review coding developed by project team for quality assurance purposes; work effectively with clients and staff to plan, implement and monitor a variety of technology projects; establish and maintain cooperative working relationships with program staff, clients, and project partners; monitor project timelines and budgets.

Other Characteristics:

Possession of a valid California driver's license and ability to provide own transportation in conducting work assignments; willingness to travel locally.

Approved by Personnel Commission 1/12/10