

Sacramento County Office of Education Job Description
Classification Title:
Senior ColdFusion Application Developer

DEFINITION

Under general direction, acts as technical lead in the modification, design, development, and testing of ColdFusion web applications and data management systems; plans, codes, implements, and supports ColdFusion programming language, Structured Query Language (SQL), JavaScript, CSS, jQuery, HTML, and MS SQL Server to build web applications that meet the department's technology needs; performs other duties as assigned.

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 and modification of sophisticated ColdFusion web applications and data management systems and applications; designs, develops, and maintains both new and existing web applications utilizing ColdFusion, JavaScript, jQuery, CSS, HTML and MS SQL Server technologies; plans, codes, implements, and supports each application layer, including user interface, services, repositories, and database objects; translates complex business requirements into extensible, scalable, and maintainable applications while utilizing the software development life cycle; prepares functional requirement documents, database design specifications and visual prototypes, including estimating the time and effort to complete each feature; utilizes Model View Controller (MVC) framework methodology 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; utilizes World Wide Web Consortium (W3C) standards to address accessibility requirements and guidelines; writes clear and concise documentation; manages the testing process and thoroughly tests code for all contingencies outlined in the requirements documentation; coordinates multiple projects and deadlines simultaneously; provides user-friendly technical support to clients and communicates 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 in Computer Science, Information Systems, or related field from an accredited institution; progressively responsible experience as a lead full-stack or ColdFusion developer with expert-level skills, experience developing websites using mobile responsive web design, and expert-level skills with Microsoft SQL Server.

Knowledge of

Current releases of Adobe ColdFusion and Microsoft SQL Server; client-side web development technologies; HTML, CSS, JavaScript, jQuery, and Bootstrap; relational database design and architecture; Modern ColdFusion framework methodologies; object-oriented programming methodologies; source control software such as Github or BitBucket; software development life cycle; federal accessibility standards and W3C code validation; project management processes.

Skill and Ability to

Write clean and readable ColdFusion code; identify issues, develop and implement scalable solutions, and evaluate for effectiveness; work independently with minimal supervision; provides user-friendly technical support to clients and departmental staff; establish and maintain cooperative working relationships with program staff, clients, and project partners; collaborate with team members and clients; maintain current knowledge of relevant advancements in technology; effectively plan, implement, and monitor a variety of technology projects; communicate technical ideas and solutions to non-technical audiences ; set priorities, monitor project timelines, and organize work to meet deadlines ; communicate effectively in both oral and written forms.

Other Characteristics

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

Revisions Approved by Personnel Commission 5/11/21
Former title: Project Specialist II, Programming/Application Development
Revisions Approved by Personnel Commission 8/14/18
Revisions Approved by Personnel Commission 8/14/12
Approved by Personnel Commission 1/12/10