

**KERN COUNTY SUPERINTENDENT OF SCHOOLS
REVISED/APPROVED JUNE 2006
SALARY SCHEDULE: #85
RANGE: CM 25.0
TECHNICAL/SPECIALIST SERVICES SERIES
CLASSIFIED MANAGEMENT – OVERTIME EXEMPT
CODE: 2,6,8**

**CSIS INFORMATION SYSTEMS ARCHITECT
(California School Information Services)**

DEFINITION

Working under the general guidelines of the CSIS Program and under the direction of CSIS Senior Management, the CSIS Information Systems Architect oversees various stages of the software development lifecycle with responsibility for the evaluation, procurement and integration; or design, development, testing, deployment, and maintenance of statewide student information systems projects in an agile, dynamic, and rapid development environment.

The Information Systems Architect is the lead role in projects that may focus on application development or information systems infrastructure.

In this role, the Information Systems Architect assigns tasks and supervises other technical staff involved in software development or system infrastructure.

EXAMPLES OF DUTIES

Oversees multiple on-going projects simultaneously;

participates with senior CSIS management in the planning, scheduling and evaluation of resources;

assures proper internal coordination and integration of information systems project tasks as well as handoffs to other functional areas;

shows judgment, within broadly defined organizational policies, in selecting methods, techniques and procedures for obtaining results that ensure budget, schedules, and performance requirements are met;

determines engineering standards and project quality controls;

performs validation and verification, assuring projects meet quality and schedule requirements;

implements and deploys software and hardware systems;

documents, configures and maintains information systems;

leads systems requirements refinement, technical architecture and design;

conducts modeling and analysis of systems problems for quick resolution;

develops and executes procedures to improve program execution, infrastructure performance, and systems operational capacities;

provides advice and information on project status/progress, and/or duties as assigned by senior management.

QUALIFICATIONS

Knowledge of:

Possess in-depth knowledge of people-focused systems such as state educational and/or local K-12 operations or human resources systems;

domain expertise and an understanding of current technologies, information systems engineering standards, and best practices.

Ability to:

Demonstrated ability to architect, engineer, analyze, and integrate or build complex information systems;

perform analytical skills, critically evaluate the information gathered from multiple sources, and reconcile conflicts;

effectively use problem-solving skills to seek client focused product development opportunities by forming a variety of potential solutions, assessing relative merits by an in-depth evaluation of multiple factors, and presenting the most desirable design;

monitor and architect implementation or maintenance paths for systems without jeopardizing data or systems availability;

use communication, writing and schematic skills, to present information effectively to clients, management, and technical staff;

demonstrated ability to specify tasks and lead teams in software development, configuration management, network engineering or system administration;

demonstrated ability to mentor, build teams and work in a team environment, facilitating and leading meetings of a highly technical nature.

Experience:

Minimum of three years experience in J2EE, .NET software development, configuration management, network engineering, or system administration.

Systems engineering experience related to requirements and architecture for large-scale systems architectures (hardware, software, networking, and databases).

Experience must include practice in designing and/or evaluating complex systems, preferably student information systems operations.

Education:

Requires graduation from an accredited four-year college or university with a major in systems engineering, computer science, information systems, or a related field.

Work experience resulting in an equivalent knowledge base may be substituted for the major requirement.

Condition of employment:

Some positions may require proof of privately owned automobile insurance and possess a valid California Motor Vehicle operator's license.

Fingerprint clearance by both the Federal Bureau of Investigation and the California Department of Justice is a condition of appointment after all other required job conditions have been met.

This position is overtime exempt and has a probationary period of one year.

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