KERN COUNTY SUPERINTENDENT OF SCHOOLS
REVISED/APPROVED JUNE 2006
SALARY SCHEDULE: #85
RANGE: CM 25.0
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 will oversee 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 will assign tasks and supervise other technical staff involved in software development or system infrastructure.

EXAMPLES OF DUTIES
Oversee multiple on-going projects simultaneously;

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

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

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

determine engineering standards and project quality controls;

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

implement and deploy software and hardware systems;

document, configure and maintain information systems;

lead systems requirements refinement, technical architecture and design;

conduct modeling and analysis of systems problems for quick resolution;

develop and execute procedures to improve program execution, infrastructure performance, and systems operational capacities;

provide 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 (3) years of 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:
Graduation from an accredited four-year college or university with a major in systems engineering, computer science, information systems, or a related field required.

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

Conditions of employment:
Some positions may require proof of privately owned automobile insurance and possession of a valid California Motor Vehicle operator's license which must be maintained for the duration of the assignment.

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.

Must present verification of completion of Child Abuse Mandated Reporter training or obtain verification within six (6) weeks of hire and annually thereafter, as required by the California Child Abuse and Neglect Reporting Act.

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

TS: gs
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