KERN COUNTY SUPERINTENDENT OF SCHOOLS
APPROVED FEBRUARY 2026
RANGE: 60.0
CLASSIFIED – OVERTIME EXEMPT
CODE: 2, 6

DATABASE SPECIALIST – SISC
(SELF-INSURED SCHOOLS OF CALIFORNIA)

DEFINITION
Under the general direction of the assigned administrator the SISC Database Specialist is responsible for maintenance and support of multiple SISC cloud-based applications, databases, and underlying Azure infrastructure.

EXAMPLES OF DUTIES
Oversee the end-to-end maintenance, development, optimization, and security of Azure resources, including Azure SQL Databases, SQL Server instances, and other cloud-hosted data platforms;

implement automation to ensure disaster recovery and business continuity;

maintain regulatory compliance, and supporting DevOps pipelines for both infrastructure and data workflows;

collaborate with cross-functional teams to design, deliver, and maintain innovative, efficient, and reliable cloud and data solutions that align with SISC's operational and strategic objectives;

analyze and design database systems, develop and program databases to support reporting and information storage needs;

maintain cloud resources and services to ensure high availability, performance, and security;

apply and maintain security best practices following Azure security frameworks (Azure AD, IAM, RBAC, Defender, and Security Center);

monitor cloud resources and applications using Azure Monitor, Application Insights, and Log Analytics to enhance performance proactively;

install, configure, and maintain database systems while ensuring data integrity and reliability;

assist in maintaining network and database development standards that promote optimal system integration and functionality;

ensure cloud environments adhere to internal and external security policies and regulatory requirements;

collaborate with Azure DevOps to support automated deployment pipelines for applications and infrastructure;

promote continuous integration and deployment (CI/CD) processes within cloud environments;

review and provide input on database software and tools for potential use by internal departments and client districts;

diagnose database issues and determine whether they stem from operator error, hardware, or software;

maintain, update, and correct existing database and dataset applications as needed;
evaluate and enhance existing database applications according to assigned tasks;

participate in trainings to stay current with new systems and technologies;

perform other general database and infrastructure support duties as assigned;

optimize and maintain Azure SQL Databases and Azure SQL Server environments;

oversee data storage solutions to ensure scalability, performance, and cost efficiency;

monitor and analyze cloud usage to identify and apply cost-saving measures such as reserved instances and auto-scaling;

troubleshoot and resolve technical issues related to Azure resources, supporting development and operations teams;

investigate and address performance bottlenecks, resource utilization issues, and security alerts;

demonstrate a thorough understanding of Electronic Data Interchange (EDI) standards, particularly the 834 transaction set used for healthcare benefits enrollment;

perform other related duties as assigned.

QUALIFICATIONS
Knowledge of:
Advanced principles, practices, and computer systems development methodologies and client support issues and concepts.

HIPAA standards;

TSF, SharePoint and Azure Team Services;

capabilities, capacities and limitations of databases and or computer hardware and software systems.

Ability to:
Proven ability to effectively work on concurrent tasks and with multiple entities;

work with formal organizational structures as well as with flexible teams;

build and manage constructive inter-personal relationships;

excellent written and verbal communication skills.

provide support of SQL database.

Experience:
A minimum of eight (8) years of combined experience in the design, development, implementation, and use of relational or multidimensional database management systems (DBMS).

Five (5) or more years of experience working with large-scale, enterprise-level database and data warehouse management, application development (.NET, Python), and cloud-based systems. Skilled in gathering and developing reports and dashboards and managing large relational databases for both transactional and analytical use, and implementing secure, reliable cloud and network infrastructures

Education:
Graduation from an accredited four-year college or university with a major in Computer Science, Information Technology, or a related field is required.

Work experience resulting in an equivalent knowledge base may be substituted for the degree requirement on a year for year basis.

A master's degree is desirable.

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 six months.

CP: rn
11/5/2025
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