



**SJCOE**  
EDUCATE · INNOVATE · INSPIRE

## Job Description

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<b>POSITION TITLE:</b>	<b>Database Developer</b> <b>CodeStack</b> <b>Office of the Superintendent</b>	<b>#2391</b>
<b>SALARY PLACEMENT:</b>	<b>Classified Salary Schedule</b> <b>Range 51</b>	

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### **MINIMUM QUALIFICATIONS-EDUCATION, TRAINING, AND EXPERIENCE:**

Possess a Bachelor's Degree with a concentration in computer-related technology or four years of experience in database design and development.

### **DESIRABLE QUALIFICATIONS-EDUCATION, TRAINING, AND EXPERIENCE:**

Comprehensive knowledge of Database Design Principles. Proficiency in Microsoft SQL Server and Transact-SQL. Knowledge of object-oriented programming for database interfaces. Experience working with both the Microsoft Azure SQL/NOSQL Services and the Microsoft Azure Ecosystem. Understanding of Agile/SCRUM SDLC. Knowledge of the rules of database normalization. Ability to design a well-structured relational database multiple related tables. Ability to write, insert, update, and delete statements as well as stored procedures, functions, and complex queries that join several tables. Knowledge of database indexes as well as experience in using indexes to increase query performance. Knowledge of Visual Studio Team Services products including automated deployments & testing. Knowledge of database versioning and migrations (i.e. on premise to Azure SQL/NOSQL or vice-versa).

### **KNOWLEDGE, SKILLS, AND ABILITIES:**

Ability to work well independently and as a team member. Possess a strong commitment to customer satisfaction. Ability to work well others. Provide guidance to a team of programmers and perform code reviews of their work. Ability to communicate verbally and in writing. Ability to develop and implement solutions to complex technical issues. Possess a valid California driver's license and proof of liability insurance coverage in the minimum amount required by SJCOE policy; insurable by the SJCOE carrier. Must furnish own transportation as required to fulfill job duties.

### **SUMMARY OF POSITION:**

Under the direction of the CodeStack Infrastructure & Security Services Director I, independently performs database analysis, design, programming, documentation, task implementation and program maintenance of considerable difficulty in a large and diverse user environment within a broad framework of standards, policies and procedures, utilizing current techniques and methodologies.

### **ESSENTIAL FUNCTIONS:**

Essential functions may include, but are not limited to:

1. Work effectively with project lead, web developers, and support staff in developing online systems.
2. Communicate effectively in written and oral form.
3. Develop database systems utilizing current departmental programming techniques and standards.
4. Ability to work at a senior level in database design, development and maintenance.
5. Act as a Subject Matter Expert (SME) in databases to a team of developers.
6. Design normalized databases with proper naming convention standards or field names and types.
7. Resolve technical issues arising during the standard Software Development Life Cycle.
8. Document and comment in application code and in database stored procedures and functions.

9. Ability to work outside of normal workdays and office hours to meet programming deadlines.
10. Schedule, coordinate and review work with development team and Project Lead.
11. Perform database reviews.
12. Meet with customers, Project Lead, and/or development team to gather requirements and provide input/suggestions for new project functionality.
13. Other duties as assigned.

**PHYSICAL REQUIREMENTS:**

Employees in this position must have the ability to:

1. Sit and stand for extended periods of time.
2. Enter data into a computer terminal/typewriter, operate standard office equipment and use the telephone.
3. Hear and understand speech at normal levels and on the telephone.
4. See and read the computer screen and printed matter with or without vision aids.
5. Speak so that others may understand at normal levels to small or large groups, and on the telephone.
6. Stand, walk, and bend over, reach overhead, grasp, push, pull and move, lift and/or carry up to 25 pounds to waist height.

**WORK ENVIRONMENT:**

Employees in this position will be required to work indoors and/or outdoors in an educational and standard environment. Employees may come in direct contact with students, parents, SJCOE and school district staff, outside agency staff, and the public.

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