Job Description

POSITION TITLE:	Coordinator II, Software Engineer II	#6143
	CodeStack	
	Office of the Superintendent	
SALARY PLACEMENT:	Management Salary Range	
	Range 12	

SUMMARY OF POSITION:
Under the direction of the Principal Engineer and the Senior Project Manager, the Coordinator independently performs web-based systems 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. Lead a team of developers and provide assistance and guidance. The Software Engineer II should have the ability to translate business problems into practical, scalable technical solutions. Perform research on new technologies and share it with the team. Does related work as required.

MINIMUM QUALIFICATIONS-EDUCATION, TRAINING, AND/OR EXPERIENCE:
Possess an Associate of Arts Degree with a concentration in computer-related technology or equivalent experience in software engineering.

DESIRABLE QUALIFICATIONS-EDUCATION, TRAINING, AND/OR EXPERIENCE:
Three years of experience in web development. Possess a Bachelor's Degree with a concentration in computer related technology. Proficient in Model View Controller (MVC) architecture, C#, JavaScript, TypeScript, jQuery, HTML, HTML5, CSS, Transact-SQL, AJAX, JSON, Bootstrap, Visual Studio, Angular 7+ and REACT.

KNOWLEDGE, SKILLS, AND ABILITIES:
Knowledge of:
- assigned software
- object-oriented programming
- approaching a code first/database first project with EF Core
- rules of database normalization
- database indexes as well as experience in using indexes to increase query performance

Ability to:
- work well independently, and as a team member
- operate a computer
- communicate verbally and in writing
- work well with staff, school personnel, students, outside agencies, and customers
- design a well-structured relational database multiple related tables
- write, insert, update, and delete statements as well as stored procedures, functions, and complex queries that join several tables

Possess:
- a strong and demonstrable commitment to customer satisfaction

- proficiency in C#, Model View Controller (MVC) architecture, API Development, Razor, Dependency Injection, and Visual Studio
- proficiency in Microsoft SQL Server and Transact-SQL
- a strong attention to detail
- expertise in HTML, HTML5 JavaScript, CSS, jQuery, AJAX, JSON, Web API, and Bootstrap
- proficiency with Angular 7+ and REACT is desirable
- 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.

ESSENTIAL FUNCTIONS:
Essential functions may include, but are not limited to:
1. Work effectively with school districts, community organizations, government agencies, parents, students, and/or staff.
2. Maintain confidentiality on issues concerning program and staff.
3. Participate, coordinate, or conduct a variety of meetings, committees, trainings, workshops, and/or conferences in order to present materials and information concerning department programs, services, operations, and activities; represent the SJCOE at local, regional, and state meetings, conferences, in-services, boards, councils, and events.
4. Maintain current knowledge and interpret applicable rules, regulations, policies, procedures, contracts, State and Federal laws, codes, and regulations.
5. Communicate effectively both orally and in writing.
6. Analyze situations accurately and adopt an effective course of action.
7. Establish and maintain cooperative and effective working relationships with others.
8. Work independently with little direction.
9. Meet schedules and timelines.
10. Prepare reports as needed for program.
11. Meet with customers, Project Lead, and/or development team to gather requirements and provide input/suggestions for new project functionality.
12. Develop web applications utilizing current departmental programming techniques and standards.
13. Design normalized databases with proper naming convention standards or field names and types.
14. Test, debug, demonstrate, and train staff and/or customers on web applications.
15. Document and comment in application code and in database stored procedures and functions.
16. Communicate daily with the development team and Project Lead regarding status and timeline of assigned web development workload.
17. Ability to work outside of normal workdays and office hours to meet installation deadlines.
18. Schedule, coordinate and review work with development team and Project Lead.
19. Participate in sprint planning meetings and rollouts.
20. Assist in mentoring Junior and Associate Web developers.
21. Perform Code Reviews for Junior and Associate Developers.
22. Does related work as required.

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, 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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