

SANTA CLARA COUNTY OFFICE OF EDUCATION

CLASS TITLE: SOFTWARE ENGINEER

BASIC FUNCTION:

Under assigned supervision, the Software Engineer designs, develops, analyzes, implements, and maintains highly complex web-based business applications for the Santa Clara County Office of Education, districts, schools and community; codes, tests and scripts programs and databases using web-based interactive technologies; communicates with users and project team members to recommend design options, determines functionality, simulations and programming needed for system requirements.

REPRESENTATIVE DUTIES:

The following duties are examples of assignments performed by incumbents in this classification. It is not a comprehensive list of duties, nor is it restrictive regarding job assignments.

ESSENTIAL DUTIES:

Develops, designs, analyzes, implements and maintains complex web-based business application programs using desktop, web-based programming languages and tools; communicates with users and

Creates test plan and test cases; executes unit test and documents results; assists users to develop and execute system test; provides support to client and resolves problems; debugs problem programs; implements new programs.

Creates and maintains computer database systems and tables, SQL stored procedures and indices; downloads existing data into tables for use in new applications.

Identifies opportunities for operational improvements to e4.9 (e)-3.1 (a)-3d ()-3.4 (.)-1.41006wsab,ab,34oad

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Communicate effectively in both oral and written form.

