



Senior Software Analyst

Class Code:
4914

Bargaining Unit: Alameda County Management Employees Association

SUPERIOR COURT OF CALIFORNIA, COUNTY OF ALAMEDA
Established Date: Aug 23, 2007
Revision Date: Feb 27, 2009

SALARY RANGE

SEE SALARY SCHEDULE

JOB DESCRIPTION:

JOB DEFINITION

Under direction, to develop specifications for complex system software programming; to architect the deployment of system software; to define the logic, to write the programs, to develop test plans, and to test software programs; to provide direction and guidance to other technical staff performing these operations; to assume responsibility for the support of designated software platforms; to analyze system logs and to prepare technical reports; and to perform other related duties as assigned.

DISTINGUISHING FEATURES

Incumbents in this class perform advanced level software analysis duties. Incumbents are responsible for developing, evaluating, modifying, and maintaining complex software systems. Senior Software Analysts are competent to work at the highest technical level on all phases of software programming. Supervision, technical guidance and training is received from the Manager of Systems Support or designee. Senior Software Analysts may have lead responsibility for software programming and analysis, including providing training, direction, and guidance to Software Analysts. This class is distinguished from the lower-level class of Software Analyst in that the former is responsible for operating system software such as routines supporting multi-programming, telecommunications and file management whereas the Senior Software Analysts assist with business applications software programming, such as case management applications. Senior Software Analysts are further distinguished from the next higher class of Manager of Systems Support in that the Senior Software Analyst is accountable for a specific subject area and related software systems while the Manager has accountability for all system software that is used by the enterprise.

EXAMPLES OF DUTIES:

NOTE: The following are duties performed by employees in this classification; however, employees may perform other related duties at an equivalent level. Each individual in the classification does not necessarily perform all listed duties.

1. Develops programs that deal with the overall management of system activities such as task management, file management, application distribution and access methods, database management, network resource management or the system-wide implementation of complex software packages, such as Citrix and VOIP.
2. Maintains currently installed versions of the operating system software through the application of vendor supplied "fixes" and through custom coding where possible.
3. Maintains system documentation for installed system software.
4. Plans, generates and installs new releases of operating systems (as opposed to business application) programs and other vendor supplied server software.
5. Enhances, installs and tests vendor supplied utilities and software packages; develops utilities and ad hoc service routines; and maintains vendor supplied utilities and software packages.
6. Plans, writes, tests and implements extensions and corrections to the systems software that supports the application development platform, the data network or the voice network.
7. Designs complex software systems; enhances complex software systems; and codes and tests software programs.
8. Provides direction and guidance to software analysts.
9. Provides technical information and assistance to application programmers and systems analysts in the use of system software related to web services, in-house software development tools, remote access using Citrix, software utilities, database management systems such as Informix, Oracle, Microsoft SQL Server and other software packages, such as Crystal Reports, Citrix and Vision App.
10. Prepares technical reports relating to the analysis of software systems.
11. Monitors and tunes the performance of systems components, and plans for timely capacity upgrades.
12. Performs other related duties as assigned.

MINIMUM QUALIFICATIONS:

Either Option I

Experience:

The equivalent to two years of full-time experience in the class of Software Analyst in the Superior Court of California, County of Alameda classified service performing similar duties.

Or Option II

Education:

Possession of a Bachelor's degree in computer science or a related field from an accredited college or university.

Additional experience in software analysis and programming, windows analysis, database software administration and/or programming, implementation and utilization of active directory and other application delivery mechanisms may substitute for education on a year-to-year basis.

And

Experience:

The equivalent to two years of recent full-time increasingly responsible experience in software analysis and programming and/or windows analysis and programming, the implementation and utilization of active directory and other application delivery mechanisms.

KNOWLEDGE AND ABILITIES:

Knowledge of principles and methods of computer software programming and systems analysis; principles and methods of computer applications programming; principles of computer operating systems design; Windows operating system and active directory or Unix and Linux operating systems; methods of program problem analysis and resolution; data organization and access methods in computerized systems; principles of database management systems; principles of effective oral and written communication; application access and application delivery strategies such as Citrix.

Ability to solve complex software programming and systems design problems from relatively minimal diagnostic information; apply the principles of software programming and design to a variety of situations; develop complex software systems, interpret and evaluate existing software systems and enhance them for efficiency; develop software programs and modify them for efficiency; evaluate hardware and software systems and make recommendations for conversion to new systems if appropriate; plan for and install new software systems; plan for and install new releases to vendor supplied software; enhance vendor supplied software packages and utilities to suit the Court's operating environment; gather and analyze data, draw sound conclusions, and prepare clear and concise reports; establish and maintain effective working relationships with staff, the public and others encountered in the course of work; and identify crucial information for the use of other technical staff in related areas of expertise.

CLASSIFICATION HISTORY:

Date established: 8/23/07

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