SENIOR PROGRAMMER ANALYST, ORACLE

DEFINITION

Analyzes work procedures of operating systems and coordinates the work of a project group engaged in analyzing, designing, and implementing information systems. Programming responsibilities span a range of platforms including mainframes, minicomputers, local area networks, and personal computers.

TYPICAL DUTIES

Conducts feasibility studies of highly specialized or unusually complex work processes and procedures to determine their adaptability to information technology.

Designs information systems that require innovative and/or diversified approaches to the resolution of problems in the areas of data collection, data reduction and coding, systems controls, auditing, processing cycles, and inquiry and reporting.

Uses full capability of micro, mini, and mainframe computers to assist in the design of information systems.

Confers with management, operating unit personnel, and customers to define the scope of the information requirements, and evaluate alternative approaches to improving information systems.

Formulates logical statements of business problems and develops systems designs detailing sequences of operation, systems block diagrams, flowcharts and instructions, and computer programming standards and specifications.

Writes and maintains batch and on-line computer programs for mainframes, minicomputers, local area networks, and personal computers.

Prepares tests for programs, audits results, and corrects errors in program logic.

Analyzes existing systems and programming logic difficulties and takes corrective action.

Creates job control language for batch operations.

Supervises assigned programming personnel.

Instructs assigned programming personnel in applying innovative and advanced analytical and programming techniques to the resolution of problems.

May design, develop, and maintain web sites.

May participate in the evaluation of new information technology equipment and software.

Performs related duties as assigned.

DISTINGUISHING CHARACTERISTICS AMONG RELATED CLASSES

A Senior Programmer Analyst, working independently or as a project leader, applies advanced technical proficiency in systems design and programming to the analysis of unusually complex management information problems and requirements and the design of improved information systems.

A Programmer Analyst performs responsible systems analysis and programming on complex projects, assists higher-level programmer analysts on the most complex projects, and may provide work direction and technical assistance to assigned programming personnel.

SUPERVISION

General supervision is received from a Systems and Programming Manager. Supervision is exercised over assigned programming personnel.

CLASS QUALIFICATIONS

Knowledge of:

Capabilities of mainframes, minicomputers, local area networks, and personal computers
PL-SQL programming language and Java or Unix
Fourth generation languages such as PowerBuilder
Oracle relational database systems
Web page design and development
Principles of report, form, and screen design
Information technology concepts and capabilities
New trends in the field of information technology
Principles of program documentation
Systems analysis and design and data modeling techniques
Principles of training and supervision
Principles and practices of business and public administration
English usage, punctuation, and spelling

Ability to:

Analyze problems in information systems
Analyze and adapt new information technology techniques
Write and code difficult and complex programs
Prepare clear and logical systems design
Write clear and logical documentation
Supervise and train personnel assigned to projects
Communicate complex technical concepts both orally and in writing
Work effectively and cooperatively with District personnel
Learn the characteristics of new systems and update skills to adapt to changing technology
Communicate effectively orally and in writing
Conduct surveys and feasibility studies

ENTRANCE QUALIFICATIONS

Education and Experience:

Graduation from a recognized college or university with a bachelor's degree in computer information systems, computer science, or a closely related field, and four years of experience in an Oracle-based environment with extensive experience in software development, programming, and systems analysis and design for business or data warehousing applications utilizing PL-SQL programming objects, Oracle database objects, and Java or Unix scripting and experience with one or more Oracle development tools such as Oracle Data Integrator, Oracle SQL Developer/Oracle SQL Developer Data Modeler, Oracle Business Intelligence Foundation Suite, Oracle Portal, Oracle WebCenter/WebCenter Portal, Oracle 11g or later, or Oracle forms and reports. Experience beyond that required may be substituted for the required education on a year-for-year basis if proof of graduation from high school or evidence of equivalent educational proficiency is provided.

OR

Completion of a 30-semester unit certificate program or equivalent in computer information systems, computer science, or a closely related field, and six years of experience in an Oracle-based environment with extensive experience in software development, programming, and systems analysis and design for business or data warehousing applications utilizing PL-SQL programming objects, Oracle database objects, and Java or Unix scripting and experience with one or more Oracle development tools such as Oracle Data Integrator, Oracle SQL Developer/Oracle SQL Developer Data Modeler, Oracle Business Intelligence Foundation Suite, Oracle Portal, Oracle WebCenter/WebCenter Portal, Oracle 11g or later, or Oracle forms and reports. Experience beyond that required may be substituted for the required education on a year-for-year basis if proof of graduation from high school or evidence of equivalent educational proficiency is provided.

<div align="center">OR</div>

Four years of experience in LAUSD programming in an Oracle-based environment utilizing PL-SQL programming objects and Oracle database objects.

Experience with project/personnel management in a team environment and distributed systems is preferable.

Special:

Oracle certification is preferable.
A valid California Driver License.
Use of an automobile.

SPECIAL NOTES:

Employees in this class are subject to call at any hour.

This class description is not a complete statement of essential functions, responsibilities, or requirements. Entrance requirements are representative of the minimum level of knowledge, skill, and /or abilities. To the extent permitted by law, management retains the discretion to add or change typical duties of a position at any time, as long as such addition or change is reasonably related to existing duties.

Revised
1-30-17
SJ