PROGRAMMER ANALYST, ORACLE

DEFINITION

Performs systems analysis and programming, working with considerable independence on fairly complex systems and programs or on major segments of the most complex projects. Programming responsibilities span a range of platforms including mainframes, minicomputers, local area networks, and personal computers.

TYPICAL DUTIES

Assists in systems analysis and programming on the most complex projects.
Assists with formulating and defining computer systems requirements and recommends techniques for processing data.
Uses full capabilities of micro, mini, and mainframe computers to assist in the design of information systems.
Prepares block diagrams, detailed flowcharts, and related documentation describing operations to be performed by computers.
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.
Designs data input/output forms.
Provides technical assistance for and assists in the training of assigned programming personnel.
May participate in meetings with customers with regard to modifications to existing systems, methods, forms, records, and reports.
May design, develop and maintain web sites.
May assist in the evaluation of new equipment and methods.
Performs related duties as assigned.

DISTINGUISHING CHARACTERISTICS AMONG RELATED CLASSES

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.

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.

An Assistant Programmer Analyst performs routine programming and performs progressively more difficult assignments in problem analysis and systems design under the work direction of journey-level programming personnel.

SUPERVISION

General supervision is received from supervisory programming personnel. Functional supervision may be exercised over the work of Assistant Programmer Analysts.

CLASS QUALIFICATIONS

Knowledge of:

Capabilities of mainframes, minicomputers, local area networks, and personal computers
PL-SQL programming language and Java or Unix
Oracle relational database systems
Web page design and development
Principles of report, screen, and form 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, procedures, and methods used in data acquisition, storage, structuring, and retrieval
Principles of training
English usage, punctuation, and spelling

Ability to:

Analyze business methods and procedures and adapt them to information technology
Analyze existing manual and computerized procedures and develop improvements
Write and code difficult and complex programs
Prepare block diagrams and flowcharts
Write clear, logical reports and instructions
Write clear and logical documentation
Develop test data and analyze problems in programs
Provide technical assistance to staff members with lower-level technical skills
Express complex concepts orally, schematically, and in writing
Work effectively and independently on assigned projects
Work effectively and cooperatively with District personnel
Learn and apply new concepts in information technology
Learn the characteristics of new systems and update skills to adapt to changing technology
Communicate effectively orally and in writing

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 two 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.

<center>OR</center>

Completion of a 30-semester unit certificate program or equivalent in computer information systems, computer science, or a closely related field, and five 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.

<center>OR</center>

Two 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.

<u>Special</u>:

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

<u>SPECIAL NOTES:</u>

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