

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.

OR

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.

OR

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.

Special:

Oracle certification is preferable.

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

Updated
06-13-25
Removed
Transportation
Language