

ORACLE DEVELOPER

DEFINITION

Supervises and manages the work of IT technical professionals. Responsible for the design, development, documentation, programming, and maintenance of Oracle based enterprise applications and/or databases.

TYPICAL DUTIES

- Designs and develops application database layers and collaborates with other IT teams to develop and implement database systems.
- Builds, enhances, and maintains a master data management process and data governance model. Establishes and implements application development standards and documentation following best practices.
- Designs and develops specialized data structures for the purposes of data consumption by public facing websites and/or business intelligence data visualizations.
- Analyzes business requirements, proposes, designs, and implements innovative technical solutions based on sound technical judgment.
- Analyzes, troubleshoots, and identifies root causes and resolves data and/or system related issues and provides production support to development teams for existing systems.
- Makes recommendations on modifications required to implement changes in existing or new database systems.
- Manages and oversees testing and debugging of database applications and Oracle software migrations to newer versions with minimal disruption to business operations.
- Develops relevant queries designed to recover data from database, assesses security concerns, and designs and develops code with test data to ensure code is accurate.
- Reviews and optimizes query performance and supports the customization and configuration of Oracle Data Integrator (ODI) and/or Oracle Business Intelligence Foundation Suite 11g or higher.
- Creates and maintains documents to support developed applications and documents the functional specifications of the solutions.
- Coordinates with business analysts to define, clarify, and finalize the required business and technical requirements, and translate business requirements into a conceptual, logical, and physical data model.
- Collaborates with the infrastructure architects and database teams to ensure that all approved development and deployment procedures are followed.
- Manages relationships with hardware and software vendors.
- Performs related duties as assigned.

DISTINGUISHING CHARACTERISTICS AMONG RELATED CLASSES

An Oracle Developer is responsible for the complex design, development, documentation, programming, and maintenance of Oracle-based applications and databases.

A Web Architect directs and manages global architecture activities analyzes existing business

practices and develops workflow improvements and conducts feasibility studies for the development and maintenance of web applications. A Web Architect supervises Web Developers assigned to small units or working on portions of a large project.

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.

SUPERVISION

Receives administrative direction from a Technical Specialist or higher classification. Exercises general supervision over senior and programmer analysts and lower level technical classifications.

CLASS QUALIFICATIONS

Knowledge of:

- Capabilities of mainframes, minicomputers, local area networks, and personal computers
- SQL and PL-SQL programming language and Java or Unix
- SQL Performance tuning
- Oracle 11g or higher relational database systems
- Oracle Data Integrator (ODI) and/or Oracle Business Intelligence Foundation Suite 11g or higher
- Web page design and development
- Principles of user interface and report design
- Business Intelligence concepts and capabilities
- New trends in the field of information technology
- Principles of program documentation
- Systems analysis and design and data modeling techniques
- Principles and practices of business and public administration
- Principles of project management and project risk mitigation
- Principles of program documentation
- Procedures and techniques of operations analysis and statistical analysis

Ability to:

- Analyze and solve problems in information systems
- Analyze and adapt new information technology techniques
- Write and code difficult and complex programs
- Prepare clear and logical system designs
- Write clear and logical documentation
- Supervise and train personnel assigned to projects
- Work effectively and cooperatively with District personnel
- Work effectively on assigned projects independently or as a team manager
- Learn the characteristics of new systems and update skills to adapt to changing technology
- Communicate complex technical concepts effectively orally, schematically, and in writing
- Conduct surveys and feasibility studies
- Plan, schedule, and direct multiple operations simultaneously with a high degree of detail and accuracy

ENTRANCE QUALIFICATIONS

Education:

Graduation from a recognized college or university, preferably with a bachelor's degree in computer information systems, computer science, or a closely related field.

Experience:

Five years of experience programming and developing business or data warehouse applications in an Oracle-based environment. Three of the last five years must be working with Oracle Data Integrator (ODI) and/or Oracle Business Intelligence Foundation Suite 11g or higher. At least two years of the above experience must be in a team lead or supervisory role. Experience may be concurrent.

Special:

A valid California Driver License.
Use of an automobile.

Special Note:

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. Requirements are representative of the minimum level of knowledge, skill, and/or abilities. Management retains the discretion to add or to change typical duties of a position at any time.

New Classification
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