



TECHNOSMARTS

Title: Database Architect (Oracle, RAC, Data Guard)

Skills: Oracle 10g and 11g RDBMS, Oracle deployment on MS Windows and Linux/Unix operating systems, RAC Clusters, DataGuard

Location: St. Louis, MO

Area Code:314

Tax Term: Full Time

Pay Rate: TBD

Length: TBD

Travel Required: none

Description:

The Database Architect will report into the Systems Architecture group but will work closely with the Application Development groups as well as the Operations groups. The Database Architect must provide recommendations and assistance regarding Oracle database architecture and roadmaps, database standards, performance and scalability improvements and the actual specific steps in order to achieve these milestones with minimal disruption to the existing systems.

Responsibilities:

- ♣ Develop and maintain constant communication with both Application Development and Operation groups
- ♣ Train and mentor members of both groups on database principles, database knowledge and best practices
- ♣ Develop database architecture roadmaps and specific plans to implement them
- ♣ Database version upgrades
- ♣ Patch testing and deployment
- ♣ Proactive database capacity planning
- ♣ Usage of new database features
- ♣ Performance and scalability goals
- ♣ High availability and disaster recovery goals
- ♣ Database health monitoring
- ♣ Data security and protection
- ♣ Functionality, stress, and load testing
- ♣ Compliance initiatives (SOX, PCI, etc.)
- ♣ Review new and existing application data models and propose enhancements and recommendations
- ♣ Consider application requirements
- ♣ Review data model
- ♣ Review PL/SQL stored procedures
- ♣ Envision, plan and execute major database migrations as well as application migrations
- ♣ Minimize system downtime and disruption during these migrations
- ♣ Develop database standards and ensure they are followed and implemented
- ♣ Application development and deployment
- ♣ Database health monitoring
- ♣ Documentation
- ♣ Review procedures
- ♣ Provide assistance to the Operations DBAs during challenging production issues
- ♣ Conduct post-mortems and ensure lessons learned are incorporated into standard operating procedures
- ♣ Proactively monitor production database systems, analyze findings, formulate recommendations, and work with both the Application Development and Operation groups to implement recommendations

- ♣ Quantify the benefits of these recommendations

Minimum Qualifications and Experience:

- ♣ College degree or equivalent
- ♣ Oracle Certified Professional (OCP) credentials
- ♣ 10+ years of hands on Oracle experience including the following technologies and features:
 - o Oracle 10g and 11g RDBMS
 - o Oracle deployment on MS Windows and Linux/Unix operating systems
 - o Design, deployment, and operation of highly available Oracle solution
 - o RAC Clusters
 - o DataGuard
 - o Streams (or other multi-master replication technology)
 - o ASM