

## Database Services

Services provided in this category would be in support of database development and multiple technology environments and architectures.

Resource skills and experience include the following:

- Design and development of logical and physical databases/schemas, testing phases, backups through to production implementation. (Resource/skillset needed: database development, data modeling, data analysis, security analysis, database administration, technical design/architecture.)
- Reviewing description of changes to database design to understand how changes to be made affect physical database (how data is stored in terms of physical characteristics, such as location, amount of space, and access).
- Defining and establishing physical database parameters and schemas.
- Optimize and tune databases for performance, define user access based on roles, testing and correcting errors, and refining changes to database.
- Generating scripts to create or modify database.
- Using utility programs to monitor database performance, such as distribution of records and amount of available memory.
- Conferring with coworkers to determine impact of data base changes on other systems and staff cost for making changes to database.
- Define, create, query, update and administer DBMS's such as Oracle, IBM DB2, Sybase, MySQL, PostgreSQL, and Microsoft SQL Server.

Technical skills and experience in this category include but are not limited to the following technologies:

- Adabas
- BrioQuery
- Business Objects
- Crystal Reports
- Clipper
- DB2
- Delphi
- Desktop DBA
- ERwin & InfoModler
- FASTPLUS
- FileNet
- FileMaker Pro
- Focus
- Forest & Trees
- Fox Pro
- HOLOS
- HP UX
- Hyperion
- IBM-Informix
- Informatics
- MS-Access
- MS SQL Server 2000 & 2005
- MS Windows Server 2000 and 2003
- MVS/JCL
- Oracle
- Paradox
- Plexus (Division of Banc Tec)
- Power SQL & Power Designer
- PowerViewer (Powersoft)
- R:Base
- Red Brick
- Red Gate
- SAP (e.g. Enterprise Applications, BASIS, Functional, HR, Portal Content, Configurator, Work Flow, Security, BI/BW, ESS/MSS, Payroll, e-Recruiting, Financials, Solution Manager, Web Dynero, TREX, Tidal Scheduler, Info Pak etc.)
- SQL/Transact SQL/PLSQL
- ODBC/JDBC