



Tennessee Department of Transportation

Administration Bureau

Position Opening:

Database Administrator-Advanced

The Tennessee Department of Transportation's IT Division is accepting applications for **Database Administrator-Advanced** for Data Support Services. This is a Preferred Service Position and reports directly to the TDOT IT Manager-Sr. – Business Intelligence. The Database Administrator-Advanced under general supervision; is responsible for implementing and revising database structures of considerable difficulty and is responsible for ensuring accuracy of data and that processes are followed.

Key tasks include:

- Implementation of TDOT databases at an enterprise level following defined standards and procedures
- Provide expertise related to DB performance and scalability
- Database security and diagnostic maintenance; capacity planning & administration
- Database automation through OS level scripting and database level scripts or procedures
- Evaluation and utilization of software products to assist in the management of data
- Support/recommend reporting, query and analysis tools ensuring efficient database access
- Measurement of DB performance and tuning; diagnosis of problems
- Modification of database software configuration to optimize performance
- Maintenance of physical integrity of all production databases
- Regularly scheduled verification procedures and error correction
- Stay current with new database technology developments and techniques, research new software and tools, proactively recommend improvements
- Install, patch, maintain, and monitor Oracle databases
- Create, maintain, monitor, and verify backups and perform ad-hoc backups as needed
- Create or copy databases and application environments
- Promote changes through multiple test and production environments
- Create and maintain SQL and PL/SQL queries and shell scripts
- Evaluate, prioritize, research, and resolve incoming technical assistance requests
- Assist developers in resolving coding, performance, and system issues including SQL tuning and optimization
- Grant, monitor, delete access to databases and applications based on security requests



- Work collaboratively with Database, Storage, and System Administrators
- Participates in mentorship with more senior personnel to expand skillset as needed to meet company objectives
- Create and maintain documentation

Desired skills:

- Knowledge of Oracle enterprise databases, Oracle Application server, Oracle identity Management Suite, Oracle Spatial and Oracle Enterprise Management tools.

Minimum Qualifications:

Education and Experience: Graduation from an accredited college or university with a bachelor's degree and two years of professional level experience in the analysis, design, or programming of business information systems utilizing database management systems (e.g., IMS/DB, SQL Server, DB2, Oracle).

Substitution of Experience for Education: Professional level experience in the analysis, design, or programming of business information systems utilizing database management systems (e.g., IMS/DB, SQL Server, DB2, Oracle) may be substituted for the required bachelor's degree on a year-for-year basis to a maximum of four years.

OR

Education and Experience: Graduation from an accredited college or university with an associate's degree in business data processing, management information systems, computer and information systems, computer science, or other directly related field and two years of professional level experience in the analysis, design, or programming of business information systems utilizing database management systems (i.e., IMS/DB, SQL Server, DB2, Oracle).

Substitution of Experience for the Specialized Associate's Degree: Experience in data modeling, database design, or performance monitoring and tuning of database management systems may substitute for the specialized associate's degree on a year-for-year basis to a maximum of two years.

Substitution of Graduate Coursework for the Required Experience: Any additional graduate coursework in data modeling, database design, or performance monitoring and tuning of database management systems may substitute for the required experience on a year for year basis to a maximum substitution of two years.

<http://agency.governmentjobs.com/tennessee/default.cfm>