Knowledge Computing Corporation Job Description

Job title: Database Developer
Department: Development
Reporting to: Director of Engineering
Effective from:

Knowledge Computing Corporation (KCC), part of the global i2 group develops the technology for COPLINK®, an industry leading law enforcement information system. We're hiring staff to analyze, connect, and deploy information sharing systems for law enforcement agencies. We use in-house and industry-standard tools and technologies to perform duties related to data analysis, conversion, consolidation and synchronization.

When you work for us you help fight crime. When an agency is connected to COPLINK® law enforcement officers are given a powerful tool that helps them solve crime faster and to make our communities safer.

Main function of the job

Provides the architectural foundation for the establishment of a data warehouse, and for the reporting, data modeling, and analysis of institutional and customer data. This includes analyzing source system data to understand the meaning and nuances of the data, determining the business rules required for moving data throughout the various stages of the customer’s data extraction, and creating logical data models.

Main duties and responsibilities

- Recommends guidelines and procedures governing data collection, analysis and backup procedures.
- Develops, administers, and maintains internal and customer databases to ensure security, accuracy, and efficiency.
- Assists in databases mappings and migrations by meeting with users to identify essential data entities, attributes and core relationships. Forward-engineers and normalizes customer data model into physical model.
- Provides support for databases running on several platforms to enable user access to data.
- Meets with users to determine needs, configures databases with input from systems administrators, monitors and tunes databases for performance, and ensures data availability.
- Trains, guides, and mentors others in the execution of assigned tasks.
- Interacts with individuals at all levels within and outside of the organization to resolve technical issues.
- Maintains and manages data for customers’ systems.
• Develops and implements specialized training for effective use of data and reporting resources.
• Acts as technical resource to management administrators and application developers on access to and use of data.
• Optimizes the data environment in order to efficiently access data.
• Develops and implements efficient data extraction routines for the delivery of data.
• Advises and consults with systems administrators on data issues such as access and storage.
• Creates data models to support data warehousing informational needs.
• Develops and maintains logical database design.

Knowledge/Skills required to perform the job

• Knowledge of the technical aspects of database management systems.
• Knowledge of the practices and principles of project management.
• Skills in data warehousing and data modeling techniques in SQL Server and Oracle environments.
• Skills in the use of Extract, Transformation, and Load (ETL) tools.
• Expert TSQL and/or PL/SQL coding skills.
• Strong analytical skills.
• Ability to work with a variety of users, other technical personnel and management.
• Ability to communicate effectively.

Minimum Qualifications:

• Bachelor's degree in Computer Science or related field AND four years of related database administration experience; OR,
• Associate's degree in Computer Science or Management Information Systems AND five years of related database administration experience; OR,
• Six years of experience analyzing, developing and maintaining complex databases; OR,
• Any equivalent combination of experience, training and/or education.