

 <p>STATE OF INDIANA CLASSIFICATION SPECIFICATION</p>	Class Title: Data Warehousing Programmer		Class Code: 001BE3
	FLSA Status: Exempt	Salary Schedule: PAT 3	Effective Date: 3/28/13
	Summary: Incumbent is responsible for development and maintenance of the data warehouse application programs with an agency information technology department. Incumbent typically reports to a Data Warehousing Analyst, Data Warehousing Administrator, or higher-level staff.		

Duties:

- Develops and maintains the data warehouse application programs that load source system data into the data warehouse;
- Writes extract programs using the ETL (Extract, Transform, Load) software and data cleansing tools;
- Assist in creating new or enhanced components of the data warehouse;
- Reviews data loaded into the data warehouse for accuracy;
- Assist with development, maintenance, and support of an enterprise data warehouse system and corresponding data marts;
- Evaluates existing subject areas stored in the data warehouse;
- Writes data cleansing functions using the data warehouse data cleansing software and methodology;
- Automates load and data acquisition processes;
- Codes and documents scripts and stored procedures;
- Designs and implements data strategy methods;
- Develops appropriate programs and systems documentation;
- Assists with metadata repository data management;
- Prepares and implements data verification and testing methods for the data warehouse;
- Creates index and view scripts;
- Troubleshoots and tunes existing data warehouse application programs;
- Conducts research into new data warehouse applications and determines viability for adoption;
- Evaluates existing subject areas stored in the data warehouse;
- Researches and creates new or enhanced components of the data warehouse;
- Confers with management of unit to assist in planning, organizing and controlling activities of assigned area;
- Prepares project feasibility studies;
- Provides guidance and training for lower-level staff, including helping develop difficult and complex programs;
- Performs related duties as required.

Job Requirements:

- Considerable knowledge of data warehouse development tools and techniques for loading and maintaining agency data in the data warehouse;
- Considerable knowledge of computer hardware/software capabilities and configurations;
- Considerable knowledge of database software, database definition languages, data dictionaries, computer programming, storage management, work process charting and testing of programs;
- Considerable knowledge of data communications, connectivity and agency used operating systems;
- Considerable knowledge of and the ability to apply complex diagnostic, structure, logic, performance and tuning procedures relative to the operating system;

- Considerable knowledge of the most recent technical developments in the computer systems field with a concentration of knowledge in the data management area;
- Considerable knowledge of applications development and maintenance;
- Ability to perform advanced logic analysis;
- Ability to read and understand complicated technical manuals;
- Effectively communicate both orally and in writing;
- Ability to apply theories, principles and methodologies to existing and new computer or database software;
- Ability to guide and coordinate the work of others;
- Ability to manage multiple software packages and priorities.

Difficulty of Work:

Incumbent works in a data warehouse, a highly complex technical environment, which frequently does not have obvious or clear-cut guidelines to follow. Considerable judgment is used and decisions can affect service to clients, amount of resources used, and the time to implement a solution.

Responsibility:

Incumbent receives a general outline of objectives and desired results from user agency personnel then implements solutions, products and utilities with little to no technical guidance from management. Work is reviewed for attainment of objectives and compliance with policy. Incumbent's contribution could potentially impact decisions made by management.

Personal Work Relationships:

Contacts are with the information technology staff and are for the purposes of informing, gathering information and interpreting that information to arrive at appropriate solutions, providing technical advice and coordinating workflow. Contacts can involve persuading and negotiating to accomplish mission while maintaining good client relations.