



COMMONWEALTH OF KENTUCKY JOB CLASS SPECIFICATION

DATA ARCHITECT

Job Number: 21005061

Job Code: 73240V250216

Job Group: 7300 - INFORMATION MANAGEMENT SYSTEMS

Job Established: 02/16/2025

Job Revised:

Grade: 16 Salary (MIN - MID):

\$27,348-\$41,022 - Hourly

\$4,444.06-\$6,666.08 - 37.5 Hr. Monthly Salary

\$4,740.32-\$7,110.48 - 40 Hr. Monthly Salary

Special Entrance Rate:

\$36,064 - Hourly

\$5,860.40 - 37.5 Hr. Monthly Salary

\$6,251.01 - 40 Hr. Monthly Salary

PROBATIONARY PERIOD:

This job has an initial and promotional probationary period of 6 months, except as provided in KRS 18A.111.

CHARACTERISTICS OF THE JOB: *Characteristics of a job are general statements indicating the level of responsibility and discretion of positions in that job classification. These are not intended to be an exhaustive list.*

Designs, implements, and manages comprehensive data architectures and warehousing strategies; and performs other duties as required.

MINIMUM REQUIREMENTS:

EDUCATION:

Graduate of a college or university with a bachelor's degree OR a graduate of a college or university with an associate's degree in information technology (IT) or related field OR certification in an IT-related field.

EXPERIENCE, TRAINING, OR SKILLS:

Five years of experience in data architecture, data warehousing, or a similar field.

Substitute EDUCATION for EXPERIENCE:

A master's degree in computer science will substitute for one year of the required experience.

Substitute EXPERIENCE for EDUCATION:

Two years of additional related experience in IT data analysis will substitute for the education requirement.

SPECIAL REQUIREMENTS (AGE, LICENSURE, REGULATION, ETC.):

NONE

EXAMPLES OF DUTIES OR RESPONSIBILITIES OF THE JOB CLASSIFICATION: *Examples of duties or responsibilities are not to be construed as describing what the duties or responsibilities of any position shall be and are not to be construed as limiting the appointing authority's ability to assign, or otherwise alter the duties and responsibilities of a position. This is not intended to be an exhaustive list.*

Designs and develops comprehensive data architecture plans, incorporating data models, data integration processes, and data management frameworks to ensure scalability and security. Manages robust data warehousing solutions and develops efficient ETL processes that consolidate data effectively from multiple sources. Manages the complexities associated with large volumes of data, rapid data influx, and diverse data types by designing and implementing scalable and robust data solutions. Creates, establishes, and enforces data governance policies to maintain data accuracy, consistency, and security, while monitoring data quality and performing necessary data cleansing. Collaborates with various stakeholders to assess organizational data needs and provides expert technical support on data-related issues. Ensures compliance with state and federal laws and implements security measures to protect sensitive data. Develops comprehensive documentation and conducts training sessions to enhance staff proficiency in utilizing data tools and adhering to best practices. Leads cross-functional teams in significant data-driven projects, optimizes data architecture for performance, and integrates innovative data storage solutions to support scalability and cost-efficiency. Supports the organization in optimizing business processes and enhancing decision-making capabilities through strategic data system integration and advanced data analysis. May supervise other employees involved in providing data services. Reviews completed work and ensures that all standards, specifications, and deadlines have been met.

UNIQUE PHYSICAL REQUIREMENTS:

Any unique physical requirements necessary to perform the duties of a specific position will be listed on the individual position description, if applicable.

TYPICAL WORKING CONDITIONS: *Incumbents in the job will typically perform their job duties under these conditions.*

Incumbents working in this job title typically perform duties in an office setting. May require minimal travel.

ADDITIONAL REQUIREMENTS:

Upon employment, employees in this job classification may be required to maintain a valid driver's license and may be required to drive a licensed vehicle. This status may be necessary for the length of time in this job classification. If this is necessary, it will be listed in the specific position description for the position at issue. Applicants and employees in this job classification may be required to submit to a drug- screening test and background check. Applicants and employees in positions which perform job duties that may require contact with offenders in the custody or supervision of the Department of Corrections or with youth in the care, custody, or supervision of the Department of Juvenile Justice must meet qualifications pursuant to the federal Prison Rape Elimination Act, 28 C.F.R.115.17 and 115.317.

The Commonwealth of Kentucky does not discriminate on the basis of race, color, sex, disability, age, national origin, religion, sexual orientation, gender identity or expression, pregnancy or related medical condition, marital or familial status, ancestry, political affiliation, genetic information, or veteran status in accordance with state and federal laws.