



JOB VACANCY POSTING

POSTING #:	158-25	ISSUE DATE:	March 28, 2025
TITLE:	DATA ARCHITECT 1 (CLASSIFIED COMPETITIVE)	CLOSING DATE:	April 11, 2025
LOCATION:	Department of Children and Families Office of Data Management and Reporting 50 East State Street Trenton, NJ 08625		
POSITIONS:	1	RANGE:	P26
DISTRIBUTION:	STATE-WIDE	SALARY:	\$78,024.71 - \$111,000.80
SCOPE OF ELIGIBILITY: Open to employees who are permanent in a competitive title with underlying permanent State service as a promotional or lateral opportunity, subject to current promotional and hiring restrictions.			
SPECIAL NOTE: This position may be eligible to work remotely for up to two days in a calendar week.			

DEFINITION: Under limited supervision of a Data Architect 2 or supervisory officer within an Information Technology unit of a State Department or Agency, is responsible for logical data modeling, analysis, design, development, and implementation of Data Modeling, Data Integration, or Data Warehousing solutions using Data Management technologies; may administer technologies related to Data Modeling, Data Integration, and Data Warehousing; may coordinate Data Modeling, Data Integration, and Data Warehousing projects; may work independently on data modeling projects; does other related duties as required.

This position is based in the Office of Data Management & Reporting at the New Jersey Department of Children and Families.

Responsibilities:

- May participate in Joint Application Development (JAD) meetings or business requirements gathering sessions with all levels of Information Technology and/or Information Management staff, business management, and business users, to enable the development of fully-attributed logical business and data models in support of Data Management solutions.
- Creates logical models as entity-relationship diagrams to document the entities, attributes, relationships, and business rules of a business domain or subject area.
- Produces physical data models from the logical data and business models adding metadata, system attributes, de-normalized columns, and physical-only tables as required.
- Generates data description language (DDL) from physical data models for database administrators to use in creating the physical database.
- Maintains data models, metadata documents, and data processing document files that are essential for project design and implementation for all Data Management solutions.
- Creates business rules and requirements for data integration processes, provides guidance and support to data integration developers by documenting rules and procedures required to transform, process, and load data from multiple source systems; creates and maintains the data dictionary and source-to-target data mapping documentation as necessary.
- Provides technical guidance for the integration of data from multiple independent, heterogeneous data sources; documents the integration and matching of information from different sources; serves as a subject matter expert in the resolution of data quality conflicts.
- Works on Data Modeling, Data Integration or Data Warehousing projects independently or as a member of a team; coordinates work efforts by acting as liaison between Subject Matter Experts (SMEs) and Data Management Developers to ensure successful design and implementation of data processing components for data warehouses; identifies work efforts involved inside and outside of the scope of a particular project.
- May participate in the presentation of recommendations and reports to higher levels of staff, including management; prepares project status documentation as needed; develops and monitors project schedule and deliverables.
- Analyzes data integration errors and works with data integration teams to provide solutions and improve data quality.
- Analyzes reporting requirements and assists Business Intelligence developers in the design and implementation of data warehouse reporting environments.
- Creates, reviews, and maintains Data Management naming standards and best practices; periodically reviews the State's Common Information Architecture document for efficiency and effectiveness and recommends revisions as necessary; assists in designing new policies and standards as required.
- May participate in Logical and Physical Architecture Review (LSAR and PSAR) meetings to guide logical and physical development of Data Management solutions.
- Prepares clear, accurate, and informative statistical and narrative reports containing findings, analysis, conclusions, and recommendations; maintains or supervises the maintenance of essential records and files; prepares correspondence in the course of official duties.
- Maintains current knowledge of Data Management technologies and the latest trends by attending seminars and webinars in order to support information system needs.
- Will be required to learn to utilize various types of electronic and/or manual recording and information systems used by the agency, office, or related units.

- Will be required to write custom SQL code for the DCF Enterprise Data Warehouse on a frequent basis.
- Does other related duties as required.

SPECIAL NOTE: Candidates with hands-on data modeling and SQL programming experience are recommended to apply.

REQUIREMENTS:

NOTE: Applicants must meet one of the following or a combination of both experience and education. Thirty (30) semester hour credits are equal to one (1) year of relevant experience.

Seven (7) years of professional experience in systems analysis and design, data modeling, and/or data warehousing solutions delivery, one (1) year of which shall have been primarily in logical data modeling.

OR

Possession of a bachelor's degree from an accredited college or university; and three (3) years of the above-mentioned professional experience, one (1) year of which shall have been primarily in logical data modeling.

OR

Possession of a bachelor's degree in computer science or computer/information technology; and two (2) years of the above-mentioned professional experience, one (1) year of which shall have been primarily in logical data modeling.

OR

Possession of a master's degree in computer science or computer/information technology; and two (2) years of the above-mentioned professional experience, one (1) year of which shall have been primarily in logical data modeling.

OR

Possession of a bachelor's degree in computer or computer/information technology plus a master's degree in computer science or computer/information technology; and one (1) year of professional experience which shall have been primarily in logical data modeling.

OR

Possession of an associate's degree in computer science or computer/information technology; and five (5) years of the above-mentioned professional experience, one (1) year of which shall have been primarily in logical data modeling.

NOTE: "Professional experience" refers to work that is creative, analytical, evaluative, and interpretive; requires a range and depth of specialized knowledge of the profession's principles, concepts, theories, and practices; and is performed with the authority to act according to one's own judgment and make accurate and informed decisions.

RESUME NOTE: Eligibility determinations will be based upon information presented on the resume only. Applicants who possess a degree from a college or university outside the United States must provide an evaluation of one's transcripts from a recognized evaluation service at the time of submission by the above closing date. Failure to do so may result in your ineligibility.

LICENSE: Appointees will be required to possess a driver's license valid in New Jersey only if the operation of a vehicle, rather than employee mobility, is necessary to perform the essential duties of the position.

IMPORTANT NOTICES

RE-EMPLOYMENT LISTS: Applicable special re-employment list established as a result of a layoff will be used before any appointments are made.

UNIT SCOPE: Any appointments made from postings which involve movement between unit scopes may result in a forfeiture of rights to any promotional list in a former unit scope.

RESIDENCY: Effective 9/1/11, NJ PL 70 (NJ First Act), requires all State employees to reside in New Jersey, unless exempted under the law, or current employees who live out-of-state and do not have a break-in service of more than 7 calendar days, as they are "grandfathered." New employees or current employees who were not grandfathered and who live out-of-state have one year after the date of employment to relocate their residence to New Jersey or request an exemption. Current employees who reside in NJ must retain NJ residency, unless he/she obtains an exemption. Employees who fail to meet the residency requirements or obtain an exemption will be removed from employment.

Electronic Filing:

Forward a cover letter and resume **as a single PDF document**, saving the file by your **Last Name, First Name** to:

Job.Posting@dcf.nj.gov

Include the **Job Posting #** in the subject line of your email.

The Department of Children and Families is an Equal Employment Opportunity Employer and is committed to fostering a respectful and inclusive work environment which reflects the diversity of the state we serve.