



Are you ready for a change? CN Investment Division (the Division) is your chance to do meaningful work with a smart, imaginative team in a unique and exciting environment. Established in 1968, the Division manages one of the largest single-employer defined benefit pension funds in Canada and holds a long track record of solid performance. Approximately C\$16 billion is actively managed in-house by 95 employees for the CN Pension Plan's approximately 49,800 pensioners and pension plan members. The Division also manages the assets of the CN Pension Plan for Senior Management and the BC Rail Pension Plan.

The Division's culture is nimble, innovative, collaborative and risk-aware. Pensioners are always at the heart of what we do. As a part of the CN Investment Division team, you will always be learning, adapting, and creating solutions to keep pace in a changing world. You will also work in a flexible, inclusive, and equity-focused environment with lots of room to thrive and grow your career and skills.

Join our team and be part of something great.

Position: Data Architect, Development and Database Management

Current Opportunity

The Division is an inclusive and equity-focused environment with many opportunities to learn and grow at all levels of the organization. The Division is looking for a highly motivated, experienced individual with expertise in programming and development. This dynamic individual will work with professionals with diverse backgrounds and industry knowledge, within the larger Investment Operations team that supports the Division's needs.

Reporting directly to the Manager, Development and Database Management, the incumbent will be responsible for visualizing, designing, and maintaining the Division's data architecture framework, defining standards, and principles, including modelling, metadata, security, reference data, master data and will provide oversight on the data governance. The purpose of this framework is to enhance the Division's operational and investment efficiency while meeting the overall data needs of each department. Working closely with the investment operations, investment performance and accounting teams, as well as with the team of investment professionals, the incumbent will be required to collaborate to best attain results.

Primary Responsibilities

- Snowflake Expertise:
 - lead the strategic design and implementation of Snowflake data architecture, leveraging the full capabilities of the Snowflake platform
 - provide guidance on best practices for Snowflake usage, performance optimization, and data governance
- Data Modelling and Database Design:
 - develop and implement data models tailored to Snowflake's architecture, ensuring efficient storage and retrieval of data
 - optimize database structures for performance, scalability, and reliability within the Snowflake environment
- Data Integration and ETL Strategy with Snowflake:
 - work closely with data engineers to establish efficient and scalable data integration processes using Snowflake
 - define ETL strategies that seamlessly integrate with Snowflake, ensuring the reliability of data flows

- Collaboration:
 - collaborate with cross-functional teams, including data engineers, data scientists, and business stakeholders to understand data requirements and provide strategic guidance, especially in the context of Snowflake
- Technology Evaluation with a Snowflake Focus:
 - stay informed about emerging technologies and trends in data management, with a particular emphasis on Snowflake
 - evaluate and recommend Snowflake-related tools and technologies that enhance the organization's data capabilities
- Documentation and Standards:
 - develop and maintain documentation for Snowflake data architecture, including data dictionaries, standards, and best practices
 - ensure adherence to established Snowflake-related data architecture principles and guidelines

Professional Requirements

- Bachelor's degree in Computer Science, Software Engineering, or Mathematics related discipline
- Minimum of five years of relevant experience as a Data Architect with a strong emphasis on Snowflake
- Minimum of two years of relevant experience using the Snowflake data warehousing solution in production
- Snowflake certification is considered an asset
- Knowledge of data governance principles and practices
- Strong understanding of various BI/Analytical design models
- Solid understanding and mastery of BI concepts (data warehouse, data mart, ETL, reports)
- Ability to provide strategic guidance and vision for Snowflake-based data architecture
- Experience with other cloud-based data solutions (e.g., AWS, Azure, GCP)
- Knowledge of investment accounting systems, financial investments, transactions, and performance measurement is considered an asset
- Knowledge and experience with the following systems is considered an asset:
 - SimCorp
 - R, Python, or similar language
 - cloud modelling tools (DBT), cloud ETL, or orchestrator (Matillion, Fivetran)
 - frontend visualization tools such as Tableau, PowerBI, or Sigma computing
- Bilingual (French and English)

Desirable Skills and Aptitudes

- Strong communication skills, both oral and written
- Effective team player
- Proven analytical skills
- Problem-solving attitude
- Client-oriented with an ability to work with a pool of demanding users in a dynamic environment
- Keen sense of responsibility and self-motivated
- Curiosity in learning new ways of working on solutions
- Ability to produce quality results under pressure within set deadlines

If this position sounds like you, we would love to hear from you! Please send your application by email to jobs@cnid.ca. The information received will be treated in strict confidence.

The Division values diversity and is committed to employment equity. All qualified applicants will receive consideration for employment without regard to race, colour, religion, sexual orientation, gender identity, national origin, age, disability, or protected veteran status. You are encouraged to apply and to self-identify so we can work toward full representation of those groups within our company.

Only candidates selected for an interview will be contacted. Thank you for your interest in the CN Investment Division.