DATA INTEGRATION SPECIALIST II - 2 YEAR TERM

Position ID: J0925-0314

Job Title: DATA INTEGRATION SPECIALIST II - 2 YEAR TERM

Job Type: Term Full Time

Department: IT Data Services

Number Of Positions: 1

Min Salary: $51.18/Hour

Max Salary: $63.98/Hour

As one of the fastest growing cities in Alberta, the City of Airdrie is a recognized leader in building a vibrant and sustainable community through innovation.

At the City of Airdrie, incredible opportunities happen every day in a flexible work environment that is tailored to each department. Our inclusive culture and values create a workplace where we welcome aspiring, driven and creative individuals to help us accomplish our business and community goals. We are supportive of one another, and we have fun while we serve our community. We are passionate about improving the lives of our residents through care and respect; that is the foundation of our organization. At the City of Airdrie, we learn, grow and accomplish great things together. We're proud to foster a workplace culture built on dedication, teamwork, and genuine care. Our commitment to creating a positive environment is reflected in our employee feedback from the 2025 Employee Engagement Survey, with 92.8% of employees saying they enjoy their work, and 92.6% feeling equipped with the resources they need to stay safe on the job.

If you have a passion for building a better community and are ready to join the excitement, we'd love to hear from you!

The Opportunity:

The Data Integration Specialist II is responsible for supporting the City's ERP transformation by enabling the migration of data from legacy systems to modern platforms. As part of the ERP Project Team, this role focuses on master data management and entity resolution to ensure clean, accurate, and unified data across systems. Using Microsoft Fabric, the Data Integration Specialist II builds scalable data pipelines and lakehouse architectures aligned with the medallion architecture, refining data through Bronze (raw), Silver (cleaned), and Gold (business-ready) layers. The role includes ingesting data, applying transformation and resolution logic, and reintegrating high-quality data back into source and target systems. This position helps establish a trusted, high-performance data foundation to support enterprise analytics and strategic decision-making.

Primary responsibilities include:
• Design and implement scalable data architectures across on-premises SQL Server and Microsoft Fabric environments, ensuring alignment with enterprise standards and future-state strategies.
• Lead the development and maintenance of comprehensive documentation, such as data flow diagrams, entity relationship diagrams (ERDs), data dictionaries, and system architecture blueprints.
• Establish and enforce data standards and best practices, such as naming conventions, version control, deployment procedures, and data modeling guidelines.
• Architect and optimize data pipelines and lakehouse solutions using Microsoft Fabric components (e.g.,

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1.888.AIRDRIE
airdrie.ca

Parks/Public Works
23 East Lake Hill NE
Airdrie, AB T4A 2K3
F: 403.948.8403

Municipal Enforcement
2 Highland Park Way NE
Airdrie, AB T4A 0R1
F: 403.948.0619

Dataflows, Data Factory, Spark), enabling efficient ingestion, transformation, and modeling of structured and unstructured data.
• Oversee master data management (MDM) and entity resolution initiatives, defining governance frameworks, validation rules, and integration strategies to ensure consistency and integrity of core datasets.
• Collaborate with business stakeholders and data stewards to design semantic models and dimensional structures that support enterprise reporting and analytics.
• Provide guidance and support to junior team members providing guidance on technical design, documentation standards, and troubleshooting methodologies.
• Conduct architecture and solution reviews, ensuring data engineering solutions are well-documented, maintainable, and aligned with organizational goals.
• Monitor and enhance performance of data workloads, proactively identifying bottlenecks and implementing improvements to ensure reliability and scalability.
• Automate and optimize data engineering workflows, including deployment pipelines, monitoring frameworks, and data quality validation.
• Ensure compliance with IT change management, data protection, and disaster recovery policies, maintain detailed records and audit-ready documentation.
• Contribute to strategic planning and roadmap development for data services, evaluating emerging technologies and recommending improvements to the City's data ecosystem.

You Bring:

• Completion of a post-secondary degree in Information Technology, Computer Science, Data Management, or a closely related discipline is required; a master's degree in a related field is considered an asset.
• Required Certifications:
o Microsoft Certified: Azure Data Engineer Associate
o Microsoft Certified: Fabric Data Engineer Associate
• Certifications that are considered assets:
o ITIL Foundation (v4)
o Microsoft Certified: Azure Data Fundamentals
o Microsoft Certified: Azure Database Administrator Associate
o Certified Data Management Professional (CDMP)
o Microsoft Certified: Security, Compliance, and Identity Fundamentals
o Microsoft Certified: Azure Solutions Architect Expert
• Cloud Platform Expertise
o Hands-on experience with Azure data services (Synapse, Data Lake, Azure SQL) and Microsoft Fabric
o Skilled in real-time analytics (KQL/Eventstreams), Notebooks, and API integration
o Strong understanding of data quality, metadata management (Azure Purview), and CI/CD practices
• Core Data Engineering & Pipeline Design
o 3+ years designing pipelines with Microsoft Fabric (Dataflows, Lakehouses, Spark, Data Factory)
o Proficient in Python for entity resolution and MDM using tools like Zingg
o Experienced in semantic modeling, ERDs, and Power BI enhancements (DAX, Power Query)
• Foundational Database & Infrastructure Experience
o 8+ years supporting enterprise data platforms; 5+ years in senior SQL Server roles
o Expertise in SSIS, SSRS, T-SQL, performance tuning, and hybrid architecture
o Skilled in security, access control, diagnostics, and automated maintenance
• Additional Skills & Assets
o Supported ERP data initiatives, including legacy-to-modern platform migrations
o Familiar with spatial data tools (e.g., ArcGIS) and databases like PostgreSQL, MySQL, Oracle, Firebird

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o Experienced in platform upgrades, patching, and capacity planning within enterprise IT environments
o Proactive and innovative, with a strong focus on emerging technologies and strategic alignment
o Resilient leader with a collaborative mindset and ability to drive results under pressure
o Detail-oriented, ensuring data integrity, documentation quality, and operational consistency

We Offer:

Along with a competitive compensation program and City paid health and dental premiums, this position also includes:
• Excellent health, dental, paramedical, and benefits plan
• First-in-class pension plan
• Career development and tuition reimbursement
• Employee discounts, gym membership, social events, and health & wellness initiatives

Continuous learning through training and development is encouraged as are flexible work arrangements, when possible. We recognize that our people work best when they feel engaged in their environment and appreciated for their efforts and our overall benefits package reflects that.

Additional Information:

This is a full-time term position (37.5 hours per week) for 2 years.

Accompanying your resume, please provide a cover letter as a means of introducing yourself and your interest in this role.

Next Steps:

Candidates are invited to apply online. We only accept resumes and additional application documents through our online recruitment system. In-person applications, email or other online forms will not be considered.

If you require an accommodation during any part of the application or hiring process, please contact us at careers@airdrie.ca and we will work with you to meet your needs.

The City of Airdrie is committed to fostering a workplace culture where belonging, equity, accessibility, and diversity are deeply ingrained into all parts of the City, where employees feel they belong, are treated with respect, and where everyone can thrive and contribute to the City's success.

Postings close at 9 p.m. on the closing date listed in the posting. We recommend applying as soon as possible as we are not able to accept late applications.

Please review the job competition carefully and be sure to attach any specifically requested documentation in the My Documents section of your application.

Interviewing and hiring may commence prior to the posted closing date.

Thank you for your interest in the City of Airdrie.

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