ICBC is committed to delivering consistently high quality customer service to all British Columbians. If you are creative, reliable and dependable, we welcome you to make the most of your skills and take the opportunity to join our talented, diverse and inclusive team. You can expect a competitive salary, comprehensive benefits and a challenging work environment. Drive your career with us.

ICBC is committed to being an inclusive employer, one that reflects the diversity of the people and communities of British Columbia.

**Position Highlights**

The Senior Data Engineer will join the Information Management team and focus on the development of a machine learning platform to accelerate the development of ML solutions across the company. The individual will work with a wide range of internal customers to build features that rely on machine learning to gain business insights. The project teams consist of data scientists, data engineers, business system analysts and stakeholders. The Senior Data Engineer will enable data scientists to translate models they create into systems that operate at scale, and improve the maintainability of models by providing a common set of infrastructure and monitoring.

As the consolidation point for all business intelligence and business analytics functions across ICBC, the Information Management team's goal is to empower the organization to drive efficiencies and savings across all facets of the business. This is accomplished by providing internal and external customers with features that rely on machine learning, precision reporting, query and analysis, statistical, descriptive analysis, and performance measurement (dashboards, scorecards and indicators).

Accountabilities will include:

- Working in collaboration with customers across the organization (Claims, Insurance, Finance, Strategic and Operational Analytics, etc.) to plan, scope, implement and sustain predictive analytics solutions
- Acting as a Lead Data Engineer in machine learning projects
- Perform ETL to build model features, develop systems to serve models in production
- Collaborate with innovative teams to put machine learning functionalities into production systems
- Architect, design and evaluate new approaches to deploy and sustain models in production
- Own the development, optimizing and deployment of machine learning systems
- Develop measurements and feedback systems
- Leading the department in building and adhering to data engineering best practices
- Conducting analysis for moderate to complex requests, defining data fields and determining data availability, developing information layout, format and interactivity. Presenting findings and providing clarification.
Position Requirements

To make an immediate contribution, the Senior Data Engineer will bring the following:

- Advanced skill in programming languages such as Scala or Java
- Working experience with Big Data platforms, with exposure to Hadoop ecosystem (HDFS, Hive, Spark, Kafka)
- Working experience in building and deploying machine learning models
- Advanced working SQL knowledge and experience working with relational databases and SQL
- Strong analytic skills related to working with unstructured datasets.
- Demonstrated ability to work with large and complex datasets, while managing priorities and responding to time pressures
- Detail-oriented with demonstrated ability to meet deadlines, manage multiple priorities and work effectively under pressure
- Strong data quality management process understanding, data analysis and data profiling
- Ability to apply critical thinking skills to troubleshoot and perform root cause analysis on technical problems and solution design
- Providing technical advice and guidance to staff in resolving complex data ingestion and transformation issues
- Experience with performance tuning and code optimization
- Design, develop and enforce best practices and standards around data engineering
- Ability to work effectively with a team or independently, as well as lead small teams as needed
- Understanding of Agile Methodologies
- Excellent interpersonal, verbal and written communication skills to work with Managers, Directors & Executive level stakeholders
- Experience with reporting and visualization tools, such as Tableau, user interface design, and iterative customer-driven design processes would be an asset.

Please include with your resume, a cover letter that describes your experience with Big Data platforms, SQL and projects that closely relate to this position. Also include other related experience you feel will also be an asset to this role.

Application link:

Only candidates legally entitled to work in Canada at present will be considered for this position.