Manager, Fraud Detection & Optimization

Requisition	R0000184389
Employer	Royal Bank of Canada
Canadian locations	Toronto (Ontario, Canada)
Primary address	600 QUEENS PLATE DR, TORONTO, ON M9W 0A4, Canada
Posted	November 16, 2026
Date in the description	August 14, 2026
Posted deadline	November 27, 2026
Last day to apply	November 26, 2026
Business area	PERSONAL & COMMERCIAL BANKING
Employment status	Regular
Work schedule	Full time · 37.5 h per week
Pay type	Salaried

The position

As a Manager, Fraud Detection & Optimization, you will be responsible for the development and execution of fraud detection strategies using advanced analytical methodologies and techniques. These fraud detection strategies will be applied with the goal of reducing RBC's Fraud Risk and losses, while maintaining a positive client experience and controlling operating costs. You will innovate and implement novel methodologies to improve detection and efficiency across the team, further automating and streamlining processes. You will contribute to and support a variety of projects and initiatives across Fraud Management and collaborate with multiple stakeholders at varying levels of seniority.

Responsibilities

- Implement advanced analytical methods and proactively identify opportunities for innovative new techniques for the development of fraud detection strategies and technological and process improvements
- Collaborate with Data Science & Innovation on machine learning and artificial intelligence projects that impact on fraud detection, document methodology and standardize processes to ensure repeatability
- Develop, maintain and optimize fraud detection strategies for non-traditional channels and products, and explore multiple data sources to proactively identify trends and trends in fraud
- Use reporting to monitor the performance of existing fraud detection strategies, optimize these strategies, and use analytical tools to improve detection strategies, improve tools and techniques
- Prioritize fraud detection alerts on detection platforms, verify that all deployments of rules are accurate and ensure a balance between fraud loss, customer experience and operational costs
- Contribute to fraud management projects and initiatives, develop detection recommendations and implement detection strategies within the time frame.
- Develop best practices for fraud detection analysis, help with the development and implementation of the policy framework and create programming standards for fraud detection
- Collaborate team-wide to ensure best practices are applied, act as a technical resource for other team members, and respond to inquiries about fraud data and detection strategies

Qualifications

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Requirements

- 3+ years of experience in data analysis or science roles, working with large real world data sets
- High practical knowledge and experience of analysis software and different programming languages (e.g. R, SQL, Python, etc.)
- Strong critical capacity for reflection and analysis with the ability to solve complex problems and develop data-based solutions
- Exceptional communication and presentation skills, including the ability to effectively communicate analytical recommendations to technical and non-technical audiences
- Leadership capacity in thinking to lead complex initiatives and discussions driven by analysis and analysis
- Ability to see the overall picture and guide groups with strategic thinking
- Excellent time management skills and demonstrated ability to effectively prioritize workload
- Diploma in mathematics, statistics, computer science or related quantitative discipline

Assets

- Experience with Hadoop, Hive, Spark, Scala or other large data platform technologies/tools
- Knowledge of data on payments transactions and financial fraud in the banking and payment sectors in Canada

Pay and benefits

RBC teams aim to grow by working together, thinking ahead and giving dependable advice that helps clients and communities prosper. They support one another, develop their potential and strive for outcomes that benefit the communities they serve as well as the bank.

- Continued career advancement opportunities
- Exhibiting strong examples of mentoring and leadership
- A comprehensive total premium program including flexible premiums and benefits
- Capacity to make a difference and sustainable impact
- Working in a dynamic, collaborative and efficient team

Job Skills

Analysis, Big Data, Critical Thinking, Data Administration, Data Mining, Data Modeling, Data Movement, Detail-Oriented, Group Problem Solving, Machine Learning (ML), Quantitative Research, Research Documents

RBC accepts applications until 11:59 p.m. on the day before the posted deadline.

Our Employment Opportunities

RBC works as One RBC and follows five shared values: putting clients first, integrity, collaboration, respect and excellence. As one of the world’s largest and most successful banks, it sees inclusion and different perspectives as important to continued growth. RBC supports staff in doing their best work, working together, innovating and developing professionally. Its policies and programs foster respect, belonging and opportunities for everyone to create value for clients and communities.

Talent community

People who join RBC’s talent community can receive new postings, career advice and recruitment event updates tailored to their interests.

RBC’s careers portal shares information about career paths and how its teams contribute to client and community well-being.

RBC is accepting applications for an existing vacancy. Qualified applicants may hear from the recruitment team for a more detailed review of their résumé.

Search for requisition R0000184389 on the RBC careers portal.

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