# Director & Principal Engineer, AI/ML & MLOps Platform

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| **Requisition** | R0000191466 |
| **Employer** | Royal Bank of Canada |
| **Canadian locations** | Vancouver (Colombie-Britannique, Canada) |
| **Primary address** | 745 THURLOW ST, VANCOUVER, BC V6E 3V5, Canada |
| **Posted** | November 6, 2026 |
| **Date in the description** | October 29, 2026 |
| **Posted deadline** | February 28, 2027 |
| **Last day to apply** | February 27, 2027 |
| **Business area** | TECHNOLOGY AND OPERATIONS |
| **Employment status** | Regular |
| **Work schedule** | Full time · 37.5 h per week |
| **Pay type** | Salaried |

## The position

Global Functions Technology (GFT) is part of RBC's Technology and Operations division. GFT's impact is far-reaching as we collaborate with partners from across the company to deliver innovative and transformative IT solutions. Our clients represent Risk, Finance, HR, CAO, Audit, Legal, Compliance, Financial Crime, Capital Markets, Personal and Commercial Banking and Wealth Management. We also lead the development of digital tools and platforms to enhance collaboration. In your role, You'll architect and create systems that directly influence billions in lending decisions, shaping RBC's competitive edge in financial innovation.

We are looking for a Senior Director and Engineer, the AI/ML & MLOps platform, which brings a unique blend of deep technical expertise and strategic leadership. It is a hands-on leadership role focused on building and expanding data-based systems and platform capabilities that allow for advanced analysis, machine learning and impacted business decisions. You will play a key role in the formation of our next generation credit decision-making platform and risk management, and lead by example in the application of sound architectural thinking, engineering rigor and technical mentoring.

## Responsibilities

- Directing by Doing: Design, build and review scalable data pipelines, analysis platforms and ML systems. This is a practical role with end-to-end ownership, balancing practical coding (20-30%) with the architectural solution and engineering direction.
- Define technical directions: Define and promote best practices in data and engineering ML. Evaluate emerging technologies and guide adoption to stimulate innovation.
- Interfunctionally partner: Work closely with data scientists, business leaders and IT teams to understand needs and translate them into technical solutions. Your first set of main objectives is to transform the bank's retail credit decision by bringing together a set of platform capabilities to allow our risk experts to expand vertically and horizontally to provide depth and scope for competitive and customized lending products.
- Mentor and Inspire: Engineer coach and foster a collaborative and successful culture. Champion engineering excellence and team growth. You are not a former fashion manager who commands right, but a role model that cultivates a culture of innovation and high performance, which skillfully inspires the next generation of leaders without micromanagement.

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- Deliver at Scale: Ensure projects are executed with high quality, on time, and aligned with business goals. Proactively identify risks and enforce compliance standards, especially around data governance and security.

**Qualifications**

## Requirements

- 8 years and more experience in designing and building data-intensive applications, with 3 years and more in a senior technical leadership role.
- In-depth expertise in modern ML data processing and engineering tools and languages (e.g. Python, Java/Scala, PySpark/Spark, Kafka, SQL, orchestration frames).
- Strong understanding of the ML lifecycle and MLOps practices, including model deployment, monitoring, and CI/CD pipelines. Experience with real-time inference systems in both on-prem and Cloud.
- Experience in cloud platforms such as AWS or Azure, with knowledge of evolutionary architecture models, and in-depth knowledge of IaC (SDK, Terraform)
- Communicate effectively - able to clearly explain complex technical concepts to technical and non-technical audiences.
- A proven success in engineering teams and delivery of high impact platforms or products.
- Bachelor of Computer Science, Engineering or related fields; Master's or Doctorate preferred.

## Assets

- Practical experience with AWS SageMaker and related services (Glue, EMR, Lambda, Step Functions, Airflow, CloudWatch).
- Track record of building high-performing teams (e.g., hiring/retaining top talent, improving team NPS)
- Context of data governance, privacy and security practices at the corporate level.

## Job Skills

Massive Data Management, Cloud Computing, Database Development, Data Mining, Data Warehousing (DW), ETL Processing, Quality Management, Needs Analysis, Software Product Management, Waterfall Model

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 R0000191466 on the RBC careers portal.

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