

## **Job Posting:169098 - Position: F25 Machine Learning Developer Intern (4 months - Toronto or Montreal) 169098 E1**

<b>Co-op Work Term Posted:</b>	2025 - Fall
<b>App Deadline</b>	05/29/2025 09:00 AM
<b>Application Method:</b>	Through Employer Website
<b>Posting Goes Live:</b>	05/15/2025 10:32 AM
<b>Job Posting Status:</b>	Approved

## **ORGANIZATION INFORMATION**

<b>Organization</b>	IBM Canada Ltd.
<b>Country</b>	Canada

## **JOB POSTING INFORMATION**

<b>Placement Term</b>	2025 - Fall
<b>&lt;b&gt; Job Title &lt;/b&gt;</b>	F25 Machine Learning Developer Intern (4 months - Toronto or Montreal) 169098 E1
<b>Position Type</b>	Co-op Position
<b>Job Location</b>	Various Locations
<b>Country</b>	Canada
<b>Duration</b>	4 months
<b>Work Mode</b>	Hybrid
<b>Salary Currency</b>	CAD
<b>Salary</b>	Salary Not Available, 0 Major List
<b>Job Description</b>	

This role is posted for a potential future opportunity only. There is no existing vacancy for this role. Although we don't have an immediate opening, we value proactive candidates like yourself who are interested in a future career with IBM. We will keep your application on file for the next 90 days and contact you if a suitable opportunity arises or if your application has expired during that period.

### **Introduction**

A career in IBM Consulting is rooted by long term relationships and close collaboration with clients across the globe. You'll work with visionaries across multiple industries to improve the hybrid cloud and AI journey for the most innovative and valuable companies in the world. Your ability to accelerate impact and make meaningful change for your clients is enabled by our strategic partner ecosystem and our robust technology platforms across the IBM portfolio, including Software and Red Hat. Curiosity and a constant quest for knowledge serve as the foundation to success in IBM Consulting. In your role, you'll be encouraged to challenge the norm, investigate ideas outside of your role, and come up with creative solutions resulting in groundbreaking impact for a wide network of clients. Our culture of evolution and empathy centers on long-term career growth and development opportunities in an environment that embraces your unique skills and experience.

### **About Business Unit:**

IBM Consulting is IBM's consulting and global professional services business, with market leading capabilities in business and technology transformation. With deep expertise in many industries, we offer strategy, experience, technology, and operations services to many of the most innovative and valuable companies in the world. Our people are focused on accelerating our clients' businesses through the power of collaboration. We believe in the power of technology responsibly used to help people, partners and the planet.

### **Your role and responsibilities**

The successful candidate will join a fast-paced consulting team, composed of Partners, Product Managers, Data Scientists,

Architects and Software Engineers to conceptualize, develop and deploy machine learning solutions to solve enterprise-scale problems. As a team, we pride ourselves on tackling some of the most difficult challenges our clients face by bringing together subject matter expertise, data science, and technical execution.

As an intern Machine Learning Developer, you'll have the unique opportunity to learn and use industry-leading ML technologies on a cloud platform (e.g. IBM Cloud, Azure, AWS or Edge) by working on a project that generates value for external client engagements or internal initiatives. Depending on the projects and team's technical requirements, you will have the opportunity to work with technologies such as:

- Kubeflow, MLflow, Prometheus, Grafana
- Seldon Core, Spark, Kafka
- Pytorch, Tensorflow CUDA
- Computer Vision, Gen AI, LLM

**This position is open to applicants who reside in Toronto or Montreal and is open to applicants seeking 4 month internship work terms, commencing in September 2025. It is mandatory that all applicants are enrolled in full-time studies at a post-secondary institution and returning to full-time studies upon completion of the work term.**

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#### **YOUR LIFE @ IBM**

In a world where technology never stands still, we understand that, dedication to our clients success, innovation that matters, and trust and personal responsibility in all our relationships, lives in what we do as IBMers as we strive to be the catalyst that makes the world work better.

Being an IBMer means you'll be able to learn and develop yourself and your career, you'll be encouraged to be courageous and experiment everyday, all whilst having continuous trust and support in an environment where everyone can thrive whatever their personal or professional background.

Our IBMers are growth minded, always staying curious, open to feedback and learning new information and skills to constantly transform themselves and our company. They are trusted to provide on-going feedback to help other IBMers grow, as well as collaborate with colleagues keeping in mind a team focused approach to include different perspectives to drive exceptional outcomes for our customers. The courage our IBMers have to make critical decisions everyday is essential to IBM becoming the catalyst for progress, always embracing challenges with resources they have to hand, a can-do attitude and always striving for an outcome focused approach within everything that they do.

**Are you ready to be an IBMer?**

#### **ABOUT IBM**

IBM's greatest invention is the IBMer. We believe that through the application of intelligence, reason and science, we can improve business, society and the human condition, bringing the power of an open hybrid cloud and AI strategy to life for our clients and partners around the world.

Restlessly reinventing since 1911, we are not only one of the largest corporate organizations in the world, we're also one of the biggest technology and consulting employers, with many of the Fortune 50 companies relying on the IBM Cloud to run their business.

At IBM, we pride ourselves on being an early adopter of artificial intelligence, quantum computing and blockchain. Now it's time for you to join us on our journey to being a responsible technology innovator and a force for good in the world.

IBM is proud to be an equal-opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, gender, gender identity or expression, sexual orientation, national origin, caste, genetics, pregnancy, disability, neurodivergence, age, veteran status, or other characteristics. IBM is also committed to compliance with all fair employment practices regarding citizenship and immigration status.

#### **Job Requirements**

Candidates considered for a Quebec position must be fluent in French.

#### **Required technical and professional expertise**

- Develop and deploy machine learning models to enhance the operational efficiency and resilience of payments platforms
- Implement predictive analytics and anomaly detection to identify and resolve issues proactively across the payments value chain
- Build AI-driven solutions to optimize transaction routing, clearing, and settlement processes
- Integrate machine learning models with observability tools like Splunk, Instana, or AppDynamics for enhanced monitoring and insight generation
- Develop risk assessment algorithms to enhance the security and compliance of the payments system
- Work with payments SRE teams to ensure seamless deployment and scaling of AIOps models
- Align ML solutions with industry standards and regulatory compliance frameworks
- Create data pipelines for processing real-time transactional and operational data from payments systems
- Integrate AI solutions with payment orchestration and clearinghouse systems to improve end-to-end efficiency
- Strong expertise in machine learning frameworks and AIOps platforms
- Proficiency in programming languages and data processing tools
- Hands-on experience with cloud-native platforms and containerization technologies
- Experience with logging, monitoring, and observability tools
- Proven experience in deploying ML models for anomaly detection, event correlation, and predictive analytics.
- Hands-on knowledge of LLM-based systems and LLM observability/security
- Experience with event correlation and supervised learning techniques

#### **Preferred technical and professional experience**

- Proficiency in Python, R, or Java for AI/ML model development and testing
- Strong data modeling skills, including the ability to design and implement normalized and denormalized schemas
- Proficiency in encryption technologies and secure data handling, including experience with encryption protocols, data masking, and access control mechanisms
- Experience with data integration tools and frameworks for real-time and batch data processing
- Knowledge of cloud platforms and cloud-native database services, including serverless computing, data lakes, and containerized data workloads.
- Strong troubleshooting skills to identify and resolve performance, integration, and data quality issues in complex data ecosystems
- Ability to work effectively with cross-functional teams, ensuring that data solutions meet business and technical requirements

#### **OTHER RELEVANT JOB DETAILS**

Must have the ability to work in Canada without sponsorship.

This role will involve working with technology that is covered by Export Regulations sanctions. If you are a Foreign National from any of the following US sanctioned countries (Cuba, Iran, North Korea, Syria, and the Crimea, Luhansk, Donetsk, Kherson, and Zaporizhia regions of Ukraine) on a work permit, you are not eligible for employment in this position.

**Citizenship Requirement**                    N/A

## **APPLICATION INFORMATION**

**Application Procedure**                    Through Employer Website

**Special Application Instructions**

**Please click the "I intend to apply to this position" button on SCOPE and also submit your application via the employer's website.**

Application Link: [https://ibmglobal.avature.net/en\\_US/careers/JobDetail?jobId=29532](https://ibmglobal.avature.net/en_US/careers/JobDetail?jobId=29532)

**Applications are accepted on a rolling basis and the posting may be expired at any time by the employer as submissions are received.**

**Students should submit their applications as soon as they are ready.**