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Human Resources Department
Manitoba Hydro
Winnipeg, MB, Canada

Dear Manitoba Hydro's Human Resources Department,

I am thrilled to apply for the Data Developer position at Manitoba Hydro. As someone who has previously excelled in a similar role and contributed to projects at Manitoba Hydro, I am eager to bring my passion for data engineering and software development to your team. My hands-on experience in building and optimizing data pipelines, coupled with a deep understanding of the data ecosystem, aligns perfectly with the goals of this role. I am excited about the opportunity to leverage my skills to continue driving innovation and excellence at Manitoba Hydro.

During my previous tenure as a Data Analytics Developer (Co-op) at Manitoba Hydro, I played a key role in developing and operationalizing data pipelines using MS Azure and MS SQL Server. I collaborated closely with system developers, business customers, and database administrators to refine data requirements, ensuring that the solution met the enterprise's needs. One of my key projects involved maintaining and expanding data integration pipelines in MS SSIS, which significantly improved data accuracy and reduced manual errors. This experience aligns closely with the responsibilities outlined in the Data Developer role, such as building and managing data pipelines and optimizing them for production environments.

Additionally, I was primarily responsible for implementing a machine learning solution for customer credit classification that leveraged Azure ML Studio. This involved developing high-performance classification models, employing techniques like feature engineering and hyperparameter tuning. My work resulted in a high-accuracy model that enhanced Manitoba Hydro's debt prevention and recovery efforts and laid critical groundwork for future cloud-ML projects. This experience, combined with my understanding of DevOps practices and Agile methodologies, positions me well to contribute to your team's efforts to drive innovation and improve operational efficiency.

With my expertise in full-stack development through the IBM Full Stack Software Developer Professional Certificate, I also offer experience in developing containerized applications, microservices, and cloud-native solutions. My hands-on experience with tools like Docker, Kubernetes, and Django ORM, coupled with my solid foundation in SQL and NoSQL databases, equips me to oversee the technical challenges of data integration, governance, and pipeline management that the Data Developer role demands.

My excellent academic background in Computer Science (Honours) from the University of Manitoba (GPA 4.05/4.50), combined with my practical experience in data science, has provided me with a robust skill set in programming languages such as Python, Java, and C/C++. My ability to quickly adapt to new technologies, coupled with my passion for data engineering, drives me to deliver high-quality results consistently.

I am particularly drawn to this opportunity at Manitoba Hydro because I thoroughly understand the company's commitment to innovation, sustainability, and community. I am excited about the possibility of continuing to contribute to your projects, helping to build and optimize data pipelines that drive actionable insights across the enterprise.

Thank you for considering my application. I look forward to the opportunity to discuss how my skills and experiences align with the needs of your team.

Sincerely,
Nguyen Duy Thong (Jase) Tran