A M A N   Z A V E R I

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Dear Hiring Manager,

I am writing to express my enthusiastic interest in the Data Engineering & Software Development Co-op position at Illuminex AI. The opportunity to contribute to a company that is revolutionizing inspection processes with sensor-fusion AI is incredibly exciting, especially given Illuminex AI's success at Toronto Pearson Airport and other North American locations. Your emphasis on innovation and a collaborative, supportive work environment aligns perfectly with my professional values.

My experience architecting and deploying real-time data platforms and automated pipelines makes me a strong fit for this role. Specifically, my work building a real-time React analytics platform with Flask and PostgreSQL, serving 1,000 enterprise users, demonstrates my ability to handle large datasets and deliver actionable insights. Furthermore, my experience in automating event anomaly-detection pipelines using Selenium and PGVector, which reduced processing time by 75%, showcases my capacity to optimize data workflows for machine learning model development â€" a key aspect of this co-op.

I am also eager to contribute to improving software reliability through testing, as demonstrated by my work developing Wi-Fi validation pipelines in Python/C++ integrated with Jenkins CI/CD, which reduced test time by 40%. My proficiency in Python, coupled with my understanding of web development frameworks and version control, will allow me to quickly contribute to your team and improve the codebase. I am confident that my skills and enthusiasm for innovation will make me a valuable asset to Illuminex AI.

Thank you for considering my application. I am eager to learn more about this opportunity and discuss how my skills and experience can contribute to Illuminex AI's continued success.

Aman Zaveri