

**Vraj Shah**

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Hiring Team

Nova Scotia Health

**Subject:** Application for **Data Engineer - Coop Student**

Dear Juan Encinas,

I am excited to apply for the Data Engineer Co-op Student position at Nova Scotia Health. With two years of professional software development experience and a strong foundation in cloud technologies, SQL, and Python, I am eager to contribute to your efforts in optimizing healthcare delivery through data-driven solutions.

During my time at Simform Solutions, I designed and deployed scalable software solutions, collaborating with cross-functional teams to deliver high-quality applications. My role involved creating fault-tolerant backend systems using Spring Boot and Kotlin, as well as automating diagnostic procedures through Python scripting—enhancing efficiency and reducing manual intervention. These experiences sharpened my problem-solving skills and gave me a deep understanding of data pipelines and backend development.

At Dalhousie University, my coursework in Data Management and Warehousing further solidified my understanding of data architecture and ETL processes. I applied this knowledge in projects where I developed cloud-hosted dashboards and predictive analysis tools using SQL and cloud services, gaining practical insights into data engineering and analytics.

What excites me most about this opportunity is Nova Scotia Health's commitment to using advanced analytics to enhance healthcare outcomes. I am particularly drawn to the chance to contribute to the development of predictive models and production pipelines that can drive actionable insights for healthcare professionals.

I would welcome the opportunity to discuss how my skills and experiences align with your team's needs. Thank you for your time and consideration. I look forward to the possibility of contributing to your impactful work.

Sincerely,

Vraj Shah