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**July 7, 2024**

**Cargill**

I am writing to express my strong interest in the *Generative AI Platform and Infrastructure Engineer* position at Cargill. My diverse background in consulting, AI/ML research data engineer and ML work in academia, and most recently, ML model development, configuration, and orchestration, makes me uniquely suited to contribute to Cargill's exciting advancements in this field.

In my recent role as a Cloud Data Engineer at Gordon Food Services, I led data infrastructure initiatives such as a batch and streaming pipelines, data mesh, data vault architecture, and dynamic SQLX processes. This includes cost-effective data orchestration solutions, data governance practices, and visualizations. I work alongside data scientists and business stakeholders to understand requirements, translating them into technical solutions.

My experience at Vanderbilt University's AI/ML Research Lab further solidified my expertise in building and deploying big data ML models. I designed and implemented end-to-end data pipelines, optimized model training environments, and developed a real-time web application for paratransit operations that is currently in production in two major US cities.

Prior to Vanderbilt, I had an established management consulting career at Grant Thornton, where I honed my project management, communication, and client relationship skills. Here I developed a keen sense of time management, meeting deadlines, and managing people.

I am particularly excited about the opportunity to contribute to Cargill's Generative AI platform. I am hoping my experience building ML platforms, working with large-scale datasets, and developing infrastructure-as-code solutions aligns directly with the key accountabilities of this role.

Thank you for considering my application. I have uploaded my resume to Cargill's platform and welcome the opportunity to discuss my skills and experience.

Sincerely,

Max Coursey