Yuwenqian Chen

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Dear Hiring Manager,

I'm excited to apply for the Software Engineer position at Equilibrium Energy, where I can help build the digital foundation for the clean energy transition. Your mission to combine deep energy expertise with modern software resonates strongly with my passion for creating scalable, data-driven systems that make real-world impact.

At DeepChatBI, I helped build an LLM-powered analytics platform from the ground up. By introducing a streaming architecture based on the Anthropic Messages API, I reduced token usage by 50% and cut analytical latency by 30% —delivering faster, more efficient insights. I also developed a controller module for the Visualization Agent that automatically validated and corrected LLM-generated charts, improving reliability by 90%. These experiences strengthened my expertise in backend scalability (Java + Spring Boot + SQL) and real-time data processing.

Previously, at GroupClock Inc., I designed and deployed a iOS app that securely collected and transmitted biometric data for downstream ML models. By optimizing RESTful APIs and integrating with real-time pipelines, I improved load time by 30% and ensured secure data handling. This experience deepened my appreciation for combining precision engineering with user-centric design—values I see reflected in Equilibrium's approach to energy systems.

I'm eager to bring my background in scalable architectures, AI-driven analytics, and mission-focused engineering to your team. I'd love to contribute to Equilibrium's vision of building intelligent infrastructure that accelerates global decarbonization and transforms how energy is managed and optimized.

Sincerely
Yuwenqian Chen