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To
Hiring Team,
SingleStore

December 9, 2024

Dear Hiring Team,

I am excited to apply for the Software Engineer Intern position at SingleStore. The opportunity to contribute to cutting-edge projects, such as optimizing fault-tolerant clusters and accelerating SQL performance, aligns perfectly with my academic background and passion for building high-performance systems.

As a master's student in Computer Science and Engineering at the University at Buffalo, I have cultivated a deep understanding of operating systems, multithreading, and server architectures. My experience developing a Redis clone in Go allowed me to implement concurrency mechanisms, efficient memory management, and persistent storage—a hands-on application of my coursework in algorithms and distributed systems. Additionally, while working at Colgate-Palmolive as a Senior Technology Associate, I designed scalable APIs leveraging Kubernetes, RabbitMQ, and Docker, gaining experience in building reliable systems for handling millions of transactions with low latency.

At SingleStore, I am eager to apply my proficiency in C++, algorithms, and data structures to build robust solutions for real-time data challenges. I am particularly drawn to the collaborative environment you foster, which resonates with my experience working cross-functionally to develop impactful products.

I look forward to the possibility of contributing to your mission of empowering data-intensive applications and learning from your talented team. Thank you for considering my application.

Sincerely,

Pratik Fandade