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Hiring Team  
Microsoft – Azure Storage (xDPU)  
Microsoft Corporation

Dear Hiring Team,

I'm writing to express my strong interest in the Software Engineer position on the Azure Storage xDPU team. With a background in full-stack development, machine learning engineering, and system optimization at scale, I'm excited by the opportunity to contribute to Microsoft's mission of building next-generation storage systems on DPU hardware.

As a recent Software Engineer Intern at algoleap, I developed a modular NLP pipeline that automated video intelligence workflows with over 95% accuracy, reducing review time by 70%. I also redesigned internal tooling architectures for better scalability and maintainability—directly aligning with your focus on performance and extensibility. Beyond internships, I've led the development of high-performance applications like Echoid, a real-time voice cloning platform optimized for sub-3s inference without cloud dependencies, and Fortify, a blockchain IDE integrating ML-driven smart contract analysis with ultra-low compile latency.

What draws me to this role is not just the scale and technical depth—zettascale storage on specialized compute is ambitious and thrilling—but also Microsoft's emphasis on collaboration, responsibility, and continuous learning. I bring with me hands-on experience across C++, Python, FastAPI, and systems architecture, a strong foundation in distributed systems, and a genuine curiosity to build storage solutions that push the boundaries of what's possible.

Thank you for considering my application. I'd love the opportunity to bring my passion for scalable systems and AI-driven infrastructure to Microsoft and learn from some of the best minds in the industry.

Warm regards,  
Aradhye Swarup