

I am writing to express my interest in the GPU/CUDA Developer position at Bluewrist Inc., as advertised on Indeed.com. With a proven track record in high-performance parallel computing and extensive expertise in various areas of technical development, I am confident in my ability to contribute effectively to your team.

Throughout my career, I have demonstrated a deep passion for innovation and optimization, particularly in the fields of AI/ML, image processing, and distributed storage. My experience as a Senior Member of Technical Staff at AMD India has exposed me to cutting-edge projects, such as the adoption of Rapids projects for data science applications on AMD GPUs. My ownership of key projects like rapids-cmake, rapids memory manager (RMM), and NVComp has enhanced my skills in algorithm parallelization and optimization.

Additionally, my involvement in MLPerf Inferencing has equipped me with the ability to implement and optimize models across different backends, yielding remarkable performance improvements. My role as the ROCm Compiler Support maintainer showcased my dedication to advancing compiler technology, evidenced by the successful implementation of multithreading and in-memory compilation support for AMD's lightning compiler.

At Capgemini Engineering (formerly Aricent), I led the development of an accelerated storage I/O library using GPUs, which earned recognition and presentations at industry events. I also led the creation of a software-defined radio solution, further highlighting my versatility in solving complex technical challenges.

My tenure at Canon Inc. allowed me to lead the creation of efficient medical image processing libraries and manage teams responsible for maintaining and enhancing Linux-based OS for Canon's embedded products. My proficiency in parallelizing and optimizing image processing algorithms complements my deep understanding of embedded systems.

I am excited about the opportunity to contribute my technical prowess to Bluewrist Inc. 's innovative endeavors. My hands-on experience with programming languages like C, HIP, OpenCL, and Python, combined with my exposure to various protocols and tools, make me a strong candidate for this role.

Enclosed is my resume, which provides additional details about my qualifications and accomplishments. I would welcome the opportunity to further discuss how my skills align with your team's needs. Thank you for considering my application.

Sincerely,

Dineshkumar Bhaskaran