AMAN ZAVERI

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Dear Hiring Manager,

I am writing to express my enthusiastic interest in the Embedded/EE Co-op position at Firefly Technology Inc. Your mission to revolutionize workplace safety resonates deeply with me, and I am incredibly excited by the opportunity to contribute to such a vital cause. Having followed Firefly's progress, I am particularly drawn to your innovative approach of integrating real-time location data, cloud software, and rugged IoT hardware.

My experience aligns directly with the requirements outlined for this role. I have successfully engineered robust embedded systems, which includes a tire-pressure system in C++ using HAL + AIDL that provided sub-second alerts and achieved 99% reliability. My proficiency extends to firmware architecture, as evidenced by my work in developing and debugging Wi-Fi validation pipelines in Python/C++ integrated with Jenkins CI/CD, which cut test time by 40%. I am also well-versed in low-level software and hardware integration, and I am eager to apply my skills in building and deploying the embedded systems that will protect lives.

Furthermore, my experience in building and optimizing complex systems will be invaluable in this fast-paced environment. I have experience enhancing data handlers and automating pipelines which resulted in tangible performance improvements. I am confident in my ability to thrive in ambiguous environments, learn quickly, and collaborate effectively with your team. I am eager to learn from the founders and hardware leads at Firefly Technology Inc. and contribute to the development of cutting-edge safety solutions. I am excited by the opportunity to work at Firefly and help make work safer for millions of Americans.

Aman Zaveri