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20 March 2025
LinkedIn | GitHub | Portfolio | LeetCode | HackerRank

Hiring Team
Pegasus

Subject: Application for **iOS Software Developer Co-Op**

Dear Hiring Team,

Innovating at the intersection of aviation and technology excites me, and I am eager to contribute to Pegasus's next-generation MIDAS ice detection sensors. With hands-on experience in iOS development using Swift and SwiftUI, along with expertise in API integration, BLE communication, and performance optimization, I am confident in my ability to enhance Pegasus's iOS applications.

In my role as a Mobile Application Developer at Simform Solutions, I developed and maintained native iOS applications, optimizing performance by 40% through memory management techniques, leading to smoother user interactions. Implementing MVVM and Clean Architecture improved scalability by 30%, ensuring a maintainable and modular codebase for seamless feature rollouts. Additionally, I integrated BLE communication for an IoT-based mobile app, enabling seamless device pairing and data transmission, which aligns with the connectivity needs of aviation sensor technology.

Beyond development, I have experience in CI/CD pipeline automation, ensuring efficient build and testing processes that reduced deployment times by 20%. My background also includes conducting in-depth code reviews, mentoring developers, and implementing best practices that improved overall code maintainability by 75%.

I am currently pursuing my Master of Applied Computer Science at Dalhousie University, where I continue refining my skills in software development, cloud technologies, and system architecture. Given Pegasus's commitment to innovation in aviation technology, I am excited about the opportunity to collaborate with a multidisciplinary team to build robust, high-performance applications.

I welcome the opportunity to discuss how my expertise aligns with Pegasus's goals. Thank you for your time and consideration.

Sincerely,
Vraj Shah