

Dear Hiring Team,

I am writing to express my sincere interest in the full stack engineering position at Apple's security engineering team. The opportunity to contribute my skills and experiences to a company renowned for its commitment to customer privacy and security is incredibly exciting to me. With my passion for engineering perfection, performance, and quality, combined with my expertise in building scalable systems, I believe I am an ideal candidate to join your team and help protect over 1 billion Apple users.

Throughout my academic and professional journey, I have gained comprehensive experience in full stack development, leveraging a wide range of languages, frameworks, and tools. Of particular relevance to this role, I would like to highlight my involvement in the "Retro-Me" project. This undertaking allowed me to engineer a retro gaming console that offered a seamless gaming experience by integrating components, programming languages, and libraries such as C, C++, Python, SDL, Pygame, and Unity. By optimizing the Raspberry Pi OS and ensuring meticulous attention to detail, I successfully delivered a high-quality product that showcased my problem-solving abilities and demonstrated my commitment to user experience.

Furthermore, my previous experiences as a software engineer intern at NCR Corporation and as a software engineer at Amazon ShopBop have equipped me with valuable skills in building scalable web applications, implementing APIs, and working with databases such as MongoDB. At NCR Corporation, I played a pivotal role in creating a simulator to enhance peripheral device functionality. In my position at Amazon ShopBop, I designed and implemented an engaging swipe-able interface that revolutionized the shopping experience for users, resulting in increased customer satisfaction and revenue.

In addition to my technical skills, I possess effective communication abilities and a track record of collaborating with diverse teams. As a teaching assistant at the Department of Maths, UW, I developed tutorials and coordinated with professors to ensure the delivery of comprehensive educational materials. This experience not only strengthened my ability to communicate complex concepts but also honed my critical and independent thinking capabilities.

Apple's mission to protect its customers and eradicate malware resonates deeply with me. I am thrilled at the opportunity to contribute to your public-facing systems, collaborate with external security teams, and automate vulnerability discovery in Apple software. The projects you have outlined, such as restructuring monolithic pipelines into microservices and implementing security analysis fuzzing infrastructure, align perfectly with my expertise and aspirations.

I firmly believe that my passion for engineering, attention to detail, and ability to optimize system performance would make me an invaluable addition to your team. My experiences, particularly in the "Retro-Me" project, have provided me with the skills to thrive in a fast-paced and dynamic environment. I am eager to bring my creativity, problem-solving abilities, and commitment to excellence to Apple, and to contribute to the protection and privacy of millions of Apple users worldwide.

Thank you for considering my application. I look forward to the opportunity to discuss my qualifications further and demonstrate my dedication to Apple's mission. Please find attached my resume for your review. I am available at your convenience for an interview, and I hope to hear from you soon.

Sincerely,

Archit Thakur