

Dear Hiring Manager,

I am writing to express my enthusiastic interest in the Software Engineer position within the CoreOS software team at Apple. With a strong background in software development for mobile devices and a passion for creating exceptional user experiences, I am confident that my skills and experience align perfectly with the requirements of this role.

During my time as a Software Engineer Intern at NCR Corporation, I had the opportunity to work on a variety of projects that showcased my ability to deliver high-quality software solutions. One project, in particular, stands out as a testament to my technical expertise and problem-solving skills. I spearheaded the development of Retro-Me, a Retro gaming console designed to enhance the gaming experience using Raspberry Pi as the platform. This project required proficiency in C, C++, and Python programming languages, as well as the integration of various hardware components and libraries such as SDL, Pygame, and Unity. I added Raspberry Pi OS and assembled all the components to create a flawless gaming console. This project highlights my ability to take ownership of a complex project, demonstrate attention to detail, and deliver a reliable and innovative solution.

The Retro-Me project aligns closely with the challenges faced in backup and migration software development. It required a deep understanding of hardware integration, firmware optimization, and software reliability - all of which are critical aspects of ensuring a seamless transition for users migrating to Apple platforms. My experience with Retro-Me has equipped me with the ability to design and build software solutions with a keen eye towards reliability and fault tolerance, as mentioned in the job description.

Additionally, I have a proven track record of collaborating with cross-functional teams and delivering software in an iterative, data-driven manner. At Amazon ShopBop, I collaborated with teams to develop Bop@Top, a swipeable interface that improved the shopping experience by solving the indecision users face when purchasing clothing articles. This project required close collaboration with frontend and backend teams, integrating MongoDB for data processing, and creating business insights dashboards. My experience in cross-functional collaboration and iterative development will enable me to work effectively within the larger Apple Software Engineering community.

Beyond my technical skills, I possess excellent communication and problem-solving abilities, as demonstrated by my role as a Teaching Assistant at the Department of Maths, UW. I developed tutorials, held office hours, and collaborated with professors to deliver a high-quality learning experience to students. These skills, coupled with my strong analytical thinking and troubleshooting abilities, will enable me to contribute effectively to the Backup & Migration QA teams and ensure the delivery of reliable and robust software.

I am thrilled at the opportunity to contribute to Apple's mission of enhancing the out-of-box experience for Apple customers. My passion for software development, combined with my technical skills and experience, makes me an ideal fit for this role. I am confident that my dedication, attention to detail, and ability to think creatively will enable me to excel in delivering software solutions that meet the high standards of Apple.

Thank you for considering my application. I am excited about the possibility of joining the CoreOS software team at Apple and contributing to the success of the backup and migration software development. I would welcome the opportunity to discuss how my skills and experience align with your team's needs further. I have attached my resume for your review.

Yours sincerely,

Archit Thakur