

Dear Hiring Team,

I am writing to express my enthusiastic interest in the Engineer position to help define the future of web browsing at Apple. With a passion for developing innovative and highly visible features, strong object-oriented programming skills, and a data-driven approach, I am confident that my experiences and expertise align perfectly with the requirements of the role.

My journey as a software engineer has been defined by a series of challenging and diverse projects, but none have been as impactful as Retro-Me, a retro gaming console that I engineered from conception to final product. I believe this project exemplifies the intersection of creativity, technical expertise, and user experience that Apple embodies. Through Retro-Me, I not only designed and developed a gaming console but also leveraged programming languages such as C, C++, and Python, as well as libraries including SDL, Pygame, and Unity, to create a seamless gaming experience. By integrating display, speaker, HDMI cables, USB ports, wired headphone connectivity, and Bluetooth technology, I ensured that Retro-Me delivered a superior user experience. Additionally, I utilized SolidWorks for 3D design, and conducted rigorous component assembly and quality assurance, showcasing my strong problem-solving abilities and attention to detail. The Retro-Me project perfectly exemplifies my ability to envision, plan, design, and implement transformative features that directly impact how users interact with technology. With my experience in designing intuitive user interfaces, optimizing software performance, and integrating diverse components, I am confident in my ability to contribute to Apple's flagship application and help shape the future of web browsing.

Furthermore, my experiences at NCR Corporation and Amazon ShopBop have further honed my skills as a software engineer. During my time at NCR Corporation, I created a simulator for peripheral devices and the payment portal, and developed a frontend web application using React. At Amazon ShopBop, I designed and implemented a swipe-able front-end interface, developed a dashboard with relevant metrics, and integrated frontend, backend, and database functionalities. These experiences have equipped me with a solid foundation in software development, agile methodologies, and the ability to deliver high-quality, user-centric products.

In addition to my technical skills, I possess a strong aptitude for analytics and data-driven decision-making. As outlined in the job description, your team seeks an engineer who can envision, plan, design, and implement analytics to inform app and feature development. With my background in statistics, data analytics, and machine learning tools such as Python, Scikit-Learn, TensorFlow, and PyTorch, I am well-equipped to help build and leverage analytics technologies that align with Apple's commitment to privacy as a human right.

Moreover, my strong problem-solving and debugging skills, combined with my willingness to work at all layers of the software stack, make me well-suited to collaborate effectively with engineers across various platforms. I am confident that my ability to write clean and efficient code, review and fix bugs, and continuously improve software quality will enable me to contribute to the ongoing success of the Safari browser and its powerful features.

The opportunity to work at Apple, a company renowned for its innovation, dedication to user experience, and commitment to pushing boundaries, is a 10 year old Archit's dream come true. The chance to join a team of talented engineers, working with cutting-edge technologies and frameworks, is an opportunity I am truly excited about. I am confident that my experiences, technical proficiency, and passion for creating transformative user experiences make me an ideal candidate for this position.

Thank you for considering my application. I look forward to the possibility of discussing how my skills and experiences align with Apple's vision and contributing to the future of web browsing. I have attached my resume for your review, and I welcome the opportunity to provide further information or participate in an interview.

Sincerely,

Archit Thakur

