Raj Patel

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Hello Sir/Madam,

This letter is for my interest in the posting of New Grad Software Engineer at Stripe. I am currently pursuing Master's degree in Computer Science (GPA 3.5/4.0). I have completed my bachelor's degree in Computer Engineering in May, 2019 with GPA of 9.16/10. I have done two internships as a Software Engineer (1) At Amazon.com Services LLC (2) At Brainasoft (An AI based company that works on primarily development of Personal Assistance Software and Chatbots).

I have worked for Amazon.com Services LLC (as a Software Engineer Development Intern) from May 2020 to August 2020. I was part of a team called Web Frameworks which is responsible for a micro Content Execution tool called "Cards Program". I created a web application called "Cards Marketplace", which was an authoritative data source of metadata of Cards. In my project I have aggregated data from 3 data sources which were managed and maintained by different teams. I have used AWS CDK to create backend infrastructure like AWS Lambda, DynamoDB and API Gateways. I have implemented a prefetch caching mechanism, which reduced network calls by 8 per page and decreased page loading time by 80%. I have also used Jest framework for unit testing (with 100% code coverage) and designed Code pipelines for CICD workflow. I have used TypeScript with NodeJS and ReactJS in my project.

During my work as a software developer, I was responsible for developing and maintain full stack web applications and mobile applications and adding new features to the existing products. I have worked on the projects in sentimental analysis with LSTM models and topic modelling with LDA. I have created a cross platform mobile application in React-Native (That application was similar to Google Play Store) with its backend in PHP and MySQL. I have developed many backend APIs for the company's products in Python and PHP with Relational database. Apart from web development work I have also gained significant experience in version control system like Git. In the current semester I have taken CSCI 571 Web Technologies, so I am currently working on cloud based projects also.

During my final year of bachelors course I have worked on Image classification based project with CNN model which got almost 98% accuracy on test dataset. This project gave me an exposure to deep learning. I have also done Deep Learning, a 5-course specialization by deeplearning.ai on Coursera, which taught me the mathematical foundation behind deep learning.

Apart from those I also enjoy working on my own personal projects. My personal projects includes technologies like Java, React-Native, Python, PHP and many more. Moreover, I have also contributed to some of the open-source projects on GitHub like "The Algorithms".

I am fast learner, even tempered, optimistic and minimalism loving person with entrepreneurial spirit. A skill I had developed during my internship was working with technical and non-technical people. Moreover, I am very versatile and I can work with most of the people. I would like to contribute in Stripe's mission to increase GDP of the internet with my programming skills. Thank you for considering me and I am waiting to hear back from you.

Sincerely,

Raj Patel