

To Mr. Jason Smith,

My name is Devansh Jain, and I would like to be considered for the position of Backend Engineer at Klue. I am interested in Klue because I enjoy solving data and backend engineering problems, with similarly minded people. I am fascinated by all things data, and everyday I am amazed by the potential insight we could draw from the massive amounts of data the web generates. I write well tested, readable and scalable code to help me make sense of the data I can get my hands on.

The job post indicated a preference for engineers with experience in Machine Learning and Natural Language Processing, an area I am very interested in. A recent project consisted of training a sentiment analysis model using the Scikitlearn and Nltk libraries for Python, which I bench-marked against Google's Natural Language API. I analyzed in the range of about 30,000 tweets for this project.

These days I am also experimenting with Tensorflow, and exploring how recurrent neural networks can be leveraged for sentiment analysis to improve upon the results obtained with a simple machine learning model. I have already implemented a Tensorflow script to learn handwriting analysis using the MNIST dataset, and am exploring how to scale up my processing capabilities to the level required for deep learning.

In addition to my interest in Machine Learning, I have experience with Ruby on Rails and PostgreSQL, which means that I am familiar with the backend stack in use at Klue. I have also opened pull requests on open source software, including Reddit, illustrating my ability to quickly and without much supervision start contributing to the codebase of mature services.

Apart from technical compatibility, working together in a collaborative environment requires a good cultural fit, and the content of the job post has me thinking that a good fit might be possible here. I would love to have a chat with you to see if this might be the case.

Thank you for taking the time to consider my application, I very much appreciate it.

Best,
Devansh Jain.