

Dear Hiring Manager,

I am writing to apply for the Staff Software Engineer, Machine Learning (Advertiser Optimization) position. With my background in economics and experience in data science, I am confident that I would be a valuable asset to Reddit.

In my previous role, I applied my data engineering skillset to the construction of a data mart of transactional account level data with 20 years of history and billions of records. Using data mining techniques, I categorized raw transactions into different transaction categories. I used big data distributed systems technologies such as Hadoop and PySpark I was able to design, implement, and maintain the data mart resulting in a 50% reduction in monthly processing time compared to the legacy SAS/SQL process. In particular, my proficiency with Python and SQL has led me to be quite adept at automating and improving the efficiency of ETL processes.

This opportunity is appealing to me for many reasons. With my highly analytical nature, I am confident that I could be a valuable asset to your team. I am eager to contribute to different development approaches, tools, and new techniques, and I am committed to delivering industry leading solutions. As a self motivated and high-achieving individual, I am certain the ample opportunities provided in this role will challenge me and ensure I provide tremendous value Reddit is looking for.

Thank you for your time and consideration. I look forward to hearing from you.

Sincerely,

Sean Riggs