

Dear Sir,

This is regarding the post of Data Engineer at MobSquad. I had referred to the LinkedIn job posting for details. Having done that, I find myself the best fit for this job because the skills, experience, and values I possess closely align with the needs and requirements of the role. Having an overall experience of 4 years, I possess various skills needed to excel in the job. Since my core skills are Python, a major requirement for the job, I find myself suitable to carry out the responsibilities for pursuing the role. Currently, I am serving the position of Associate Data Analyst with UnitedHealthCare, one of the top health insurance providers in the US. Gathering, transforming, and analyzing data is a major part of my work and I frequently collaborate with different teams for gathering functional knowledge about the information collected, to help derive better insights from it. The data that I collect varies from structured to highly unstructured data. And for collecting it, depending on the volume, the technology stack also changes. I am extremely meticulous about the usage of better tools for better delivery. Hard efforts but with wrong tools are a wastage. For getting better results, I utilize different tools, some of them are mentioned below:

- Data processing by the use of Pyspark because the data volume is usually high.
- Building up resilient processing engines that work independently. This helps distribute the processing logic across multiple microservices, thereby minimizing error and enhancing performance.
- Data inference and prediction by using Pipelines package from scikit learn in Python. I collaborate with different teams for strategising techniques and develop prediction engines that leverage the company's revenue. I am adept in both-supervised as well as unsupervised learning.
- Visualisation using the best frontend technologies. It is an imperative task as a part of my work to build robust dashboards that delineate results and help end-users derive insights from the data.

Since I keep myself updated with the technology stack, I have spearheaded in my past projects and have helped the organisation enhance its revenue. Some of my achievements are mentioned below.

- Developed a system that predicted the members who had greater chances of getting readmitted into the hospital within a month. The decision to acquire data from a warehouse influenced the organisation way too much. As a result of the diabetes prediction engines, the organisation could save the amount that could have been claimed by the providers if the member was admitted post-discharge. This saved 35% revenue of my organisation.
- Developed a dashboard using tableau that predicted the member dis-enrolments from the organisation. Since UnitedHealthcare is one of the biggest health insurance providers in the US, its star-rating is a very crucial factor that helps them earn members' enrolments into their plans. By predicting members who would dis-enroll, we could prevent them not only from switching to another competitor, but also provided them information about plans. The project is being extensively used by the organisation and is helping to maintain its reputation in the healthcare industry. Star rating of UHC was 4.0 in 2019, and presently it is 4.5 out of 5.
- Accelerated the SSRS report migration process from 2012 to 2016, by automating the complete manual process using Selenium, thereby not only completing the project one month before the deadline but also helped save time which was utilised on other projects. While the deadline for creating around 3000 subscriptions was 2 months, the task was completed in 20 days. Was awarded bravo prize due to the accomplishment.

In addition to my collaborative teamwork ability, I am an excellent orator and have delivered many sessions in our internal university. I am also agile and adept in learning new technologies for fostering my career as well as an organisation's growth. Therefore, I kindly request you to consider my profile and assess my skills. I will be grateful to you.

Thanking You.

Yours faithfully

Kusumakar Shukla