JP MORGAN INTERNSHIP REPORT

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INTRODUCTION

This is a report of the experience I got from the virtual internship that I received from JP Morgan through the forage website. In this report I have noted down the things I learnt, my observations and the recommendations. The internship consisted of three task which took me different time to accomplish due to different deliverables that were required.

TASK 1

This task required python knowledge. I was to edit the python file so that the server could respond according to user specifications.

Lessons learnt

1. Forking a GitHub repository and committing changes.
2. Creating patch files- although I was comfortable with GitHub, I had never known how to create a patch after committing changes to my codes. This task required the know how's of creating a patch file. Hence, I learnt how to create a patch file.

RECOMMENDATION

Version control in software development is very important, the task does a good job in introducing version control tool (git hub). In future I recommend the task to include making of branches for version control as this is very important skill in agile software development.

User should be encouraged to use virtual environment in accomplishing the tasks in future as this is important in development as the installed services may tend to break the user's system.

TASK 2

This task required the knowledge of react which is a JavaScript framework. The lesson learnt here was data visualization.

Lesson learnt

1. Being new to react framework, I had to learn how to install npm and the software dependencies. This task took me a lot of time since I had zero knowledge of React framework.
2. The significance of this task was data visualization. I cannot ignore the importance of data visualization in data interpretation to users.
3. Using the perspective JPMorgan Api.

RECOMMENDATION

Although the task took me a lot of time to accomplish, I found it useful because I learnt react framework which is important in data visualization. The task was very insightful.

- I wondered why the application was not rendering the charts on my local computer when I was disconnected to the internet. The software worked well when connected to the internet.

- The software also took long to respond to requests made from the website. I still wondered why? How can we make the software light weight?
- I was wondering why some dependencies used for the project had security issues which had serious severity scores. Is it possible to update the dependencies without breaking the application.
- Is it possible to make to software work in a containerized environment such as docker contains and be able to work while offline?

TASK 3

Task 3 was almost similar to task 2 which dealt with data visualization. The recommendations for task 3 are similar to those in task 2.

In conclusion, this internship was very insightful as I got to learn practical hands-on software development. Thank you @JPmORGAN, @ Forage.