

*This is an example of how I structured and presented information while working as a developer. To preserve confidentiality, I have substantially altered the content of the original report. However, I have preserved the structure, tone, and style of the writing in the original document.*

For our proprietary analysis project, we are developing and testing a software program that will eventually assist ABC in analyzing their data. Ideally, we would like to minimize the computing power needed to execute the software, and to minimize RAM requirements.

From past research, we have determined that modifying the input data from ABC is a workable first step towards the above goal. Previously, our team had written a program to make such modifications by using a proprietary algorithm. In an early testing phase, we ran our program on older ABC hardware with older data from ABC.

Our first goal was to improve the speed of this program on ABC's newer analysis equipment. This step is necessary for the program to meet industry standards, and it ensures reduced operating costs when deploying the software.

Initially, our team's program did not run successfully on some of the newer proprietary hardware from ABC. So, we had internal discussions and analyzed potential causes of the shortcomings in our software. We performed a lot of early testing and reported the results of such tests, which involved running times and RAM consumption on certain hardware. In addition, we tested the software on other types of hardware while closely replicating the team's original testing environment, and made modifications to the software to enable it to run, but the results obtained, on newer ABC hardware, were suboptimal.

We modified certain settings of our team's software that were related to our proprietary algorithm, and tested the modified software against slightly newer versions of ABC's data for a certain class of applications. We also made other changes to the team's software, performed benchmark and accuracy analysis, and tested the speed of the modified software. We then studied our test results and discussed possible shortcomings of the changes that were made.

After some internal discussions, we came to the conclusion that the software was deficient with certain analysis tasks. Upon further analysis, we saw a deficiency in our original software and addressed that issue by making several improvements. We then tested the improved software, and, using ABC's older data that we

previously tested, the program successfully ran on ABC's newer proprietary hardware, replicating the team's earlier results with the older machines.

Currently, we are testing the speed of the improved software on ABC's newer analysis equipment, testing the improved software with newer data from ABC, determining computational resources needed to run the software, and extending the range of applications of the improved software.

Hope the above clarifies for you the status of this project.