

Bijay Shrestha
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Q13 # Suppose Mr. Rakesh Burma is an IT expert at some hospital, and that you have completed the period of two months of your job-shadowing Mr. Burma. Now write a periodic report to the Head of Hospital Administration.

Memorandum:

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To: Ram Thapa, Head of Hospital Administration

From: Bijay Shrestha, Student Intern

Date: October 16, 2020

Subject: Job Shadowing on IT Expert at Same Hospital

September has been a productive period in my second month of job-shadowing Mr. Rakesh Burma, IT Expert at Same Hospital. The month was filled with action and variety. I observed work in network security, cyber security and web security. In addition, I completed the management of the database for the web development too.

Network Security Unit

I was able to observe the security involved in network security section. During 4 hrs, I shadowed

Ram Thapa

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Mr. Burma in Network Security Section. He worked with following system :

- Router with routing setup
- Switch and Bridge

Mr Burma setup switch, routes and bridge to connect the system and set up ports for routing the connection between devices. I was not able to understand as the devices were new to me, how they are setup. And due to time factor and hurry, no one was able to explain the process to me.

Web - Security Section

Observing, Mr. Burma in web-security, gave me an opportunity to witness a wide range of security involved in web-security and how website worked. I further observed about the important factors in web such as ssl, http vs https, routing, error responses, controllers etc.

Cyber - security

In this last section, I watched that Mr Burma checked all the possible areas where vulnerabilities may occurred.

Ram Thapa

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I further observed that Mr Burma checked various malware that may reside in the system which may affect the system.

Researched Reports

Because my goal is to earn academic report credit toward graduation. I am submitting one researched report, importance of web-security, along with this monthly report. I am conducting research now for the second report and plan to finish it by the end of October. I should have the final paper completed by the end of the November.

Conclusion

My experience with Mr Burma in September were worthwhile and exciting. In fact, after observing technology use several types of equipment. I have found that my greatest interest is in web-security. So, I am considering work in that area as a career goal. When we meet next, I would like to discuss the educational requirements for such a career and the opportunity possibility of shadowing someone during the spring semester who works solely with web-security.