LAPORAN RESMI

PRAKTIKUM KEAMANAN JARINGAN

IT Profession

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Summary of the Professions

Drag the professions' names to their proper definitions

Profession	Definition
Network Engineers	implement, maintain, support, develop and design communication networks
Software Developers	responsible for writing programs and provide new software resources based on requirements
Security Analysts	responsible for planning and implementing security measures to protect network and data
Digital Forensic Analysts	recover and examine data from computers and electronic storage to use as evidence in investigations
Security Auditors	responsible for providing assurance that the security plans and controls are implemented correctly
Penetration Testers	responsible for testing overall security of the organisation by finding ways to exploit weaknesses in the network, software, systems or staff
Top Executives	play a big role in the overall security implementation

Profesi yang cocok berdasarkan background dan foreground yang saya miliki saat ini adalah sebagai seorang **Software Developer.**

Based on the knowledge and skill set that I currently have learned and mastered, I feel that the professions that best suited for me is a **Software Developer**. These are the reasons why I think that way:

1. Continuous on learning new opportunities
   Technology is extremely fast moving right now, so as a Software Developer, I need to be able to learn new programming languages, new frameworks, new methods, and new technologies and adapt to the continually changing workaround environment. Alongside learning about technology, I as a developer will often have the opportunity to develop my knowledge about the business and sector that I am working in, as these are also ever-changing. This constant change is an amazing learning opportunity, keeping my mind fresh and the job is pretty interesting in some way.

2. Project-based work structure
   There is the varied work structure which is project-based. Generally, I will be working on a huge variety of projects, both large and small, and there are so many advantages to this working style according to my skill set. Each new project that I work on brings a whole new set of challenges and gives me the opportunity to learn about new technologies, different systems, and explore various parts of the business. Project-based work also gives me a sense of structure as, most likely, I have a time frame to work towards before I can finish and move on to the next exciting project.

3. Test my problem-solving skills
   As a Software Developer I constantly provide solutions for users' or client's problems. I can work on the occasional quick fix as well as more complex and strategic solutions. Some problem-solving skills required to be a Software Developer include being able to split complex goals into smaller, more manageable ones. These things should also help me to be able to think in parallel and help me manage my multitasking skill. This means taking smaller tasks, rearranging them and seeing if

any are unnecessary so I can optimize my tasks and save time. Likewise, in an attempt to save time, a Software Developer will need to design future-proof solutions that do not need re-designing each time a parameter changes.

4. Get creative with not only code

Being in a Software Development isn't quite the same as being in a Graphic Designer or Fine Arts, but that doesn't mean it's not creative in its own way. There are many ways in which Software Developers can be creative, including in the way that I think to solve a problem: for example, I need to be able to put myself in the users' shoes in order to provide a solution, I need to create an innovative new systems and functionality and I get to play around and learn new technologies. Creativity also comes into play when trying to design a well-thought complex solution to get the best out of computers. We begin with just a blank screen and a set of abstract ideas to construct our masterpiece using code and everything that can be used. Creativity is just one of the many reasons to become a Software Developer.