

IT Work

System Analyst:

- Type of work system analysts do

Systems analysts, sometimes referred to as systems architects, they focus on learning the specific needs of the business and understand an organization's computer systems. They upgrade an existing system or create a new system from scratch to expand capacity of the business. They may write the instruction manuals and train end users to use new systems.

- Type of people the system analysts interact with

System software analysts may need to be taught by computer programmers because new systems may be beyond their technical knowledge. Analysts need to travel to meet with clients and work in the place of the clients. They work in many organizations, including systems design companies, finance and insurance, and government. So, they are likely to communicate with general public in daily life.

- The most time-consuming part of this work

Computer systems analysts work 40 hours a week and spend most of their time talking to other people, possibly on cell phones. The

projects they work on usually require a really long period of time spent on conversation with others.

- The most challenging aspect of this work

Technical skills are the most challenging aspect of the job, and technology has a lot to do with salary. Employers prefer candidates with master's degrees and programming or technical expertise. Computer systems analysts constantly study emerging technologies so they don't become obsolete over time.

<https://www.youtube.com/watch?v=tChuHB4eHQM>(CareerRx 2008)

<https://www.youtube.com/watch?v=T0JdNufvn-o>(CareerOneStop 2018)

VR developer:

- Type of work VR developers do

VR developers usually work in a company. The first thing to do is tweaking 3D graphics before the monitor, then they need to code end screen. After that they will make some discussion on upcoming projects. The last thing to do in the company is building and testing VR devices. When they go home, they take their code home to work on for a few hours.

- Type of people VR developers interact with

The first people VR Developer needs to contact are colleagues in the company, they may be experienced old programmers, so that VR Developer can turn to the old programmers for advice if there is a problem. VR developers also need to communicate with the investors of VR project. They need to modify the program according to the requirements of the investors. Attending the meeting with the investors will decide the next step of their project.

- The most time-consuming part of this work

The most time-consuming part of this work is to teach the new staff in the company who are young and lack of skills and experience about coding. They may not know the rules of programming and often make mistakes. VR developers may have to spend a lot of time in the company guiding new people and solving bugs.

- The most challenging aspect of this work

VR equipment penetration rate is still low nowadays, VR equipment the audience in the society is not wide, and for now, the role of the VR devices to play games and simulation reality, there is no actual effect, the development of VR equipment costs could be far higher than the

potential benefits, in the wave of the IT world, VR equipment may be replaced or forgotten, Years of work by VR Developer will be wasted.

<https://www.youtube.com/watch?v=oqXBY51KP5A> (Justin P Barnett 2021)

<https://www.youtube.com/watch?v=64pyJsFxtNA> (Puneet Rawat 2019)

Website programmer:

- Type of work website programmers do

Check email and social software messages early in the morning and attend many meetings throughout the day to plan web design and discuss programming issues. Web programming developers need to take into account the practical functions of web pages, the interaction between web pages and users, and the beautiful design of web pages. They spend a lot of time each day writing web code files.

- Type of people the website programmers interact with

Web design programming Developers are often hired by a variety of organizations to write web sites that users need, but sometimes they write web pages for their own interests. So, the people they interact with are clients, colleagues, and receive feedback from a wide range

of people in the community. Although not face to face, some freelance web design developers may not go out and interact with other people.

- The most time-consuming part of this work

Web design programmers usually need a long time to communicate with customers about the draft of the website. When customers first take the drawings printed with the expected effect of the web page to find web design programmers, web design programmers cannot take it for granted to program and design, which is easy to cause a waste of code. Running too much code for a simple function on a website is not environmentally friendly or energy efficient. As a result, web designers need to repeatedly ask clients what features they really need before they start programming and spend time communicating with clients during the development process.

- The most challenging aspect of this work

Sometimes web designers will receive malicious complaints even though they are designing a site that meets public standards and aesthetics. Because the web is a vast, diverse world, no matter how well designed and developed a website is, there will always be evil spokesmen who think everything you've worked so hard to create is

bad. Web design programmers need to have a strong psychological ability to resist these malicious psychological attacks, and have a firm confidence in their own website, not how others say how to change.

<https://www.youtube.com/watch?v=UdNNwnxdlHI> (Adrian Twarog 2022)

<https://www.youtube.com/watch?v=BZqzhmlTkAc> (Filip 2020)

Software engineer:

- Type of work software engineers do

Software engineers are usually paid to write code for software and spend most of their days in corporate offices staring at screens writing code. But their brains are working at high speed, thinking about software solutions and engineering problems. Software engineers are paid very well and enjoy many benefits.

- Type of people the software engineers interact with

Software engineers often meet with colleagues in the company to discuss solutions to code problems, and they are required to report back to clients from time to time on their commissioning tasks. The industry is very competitive, every software engineer wants to enter

the top company, so they will negotiate the contract with the employer.

- The most time-consuming part of this work

The most time-consuming part of the job is writing code. This part of the job can take more time, sometimes several days, if the employer thinks the code isn't working as expected. The software engineer may be working for a company that has been around for several years, leaving behind old code that takes a lot of time to understand and update.

- The most challenging aspect of this work

One of the most challenging things about this job is that writing software engineering is so mentally draining and stressful that you may only see your colleague typing, but his mind is already much more advanced than yours. The fierce competition in this industry also leads to great pressure. If you don't learn new skills for several years, you will be left behind by others. Just like the survival of the fittest in nature, the living conditions are very harsh, even though the software engineer thinks he is a genius and he can write perfect code.

<https://www.youtube.com/watch?v=Q0A35ZfgwHA> (ForrestKnight

2021)

<https://www.youtube.com/watch?v=aRnXLrS6C1U> (Keep On Coding 2020)

Cybersecurity Officer:

- Type of work cybersecurity officers do

Cybersecurity analysts protect computer networks from cyberattacks and unauthorized access. They do this by trying to anticipate and defend against cyber threats, and responding to security breaches when they do happen

- Type of people the cybersecurity officers interact with

Cybersecurity analysts usually interact with his principal pm or his boss when he is going to start building the security benchmark for azure virtual machines.

- The most time-consuming part of this work

Cybersecurity analysts spend most of their time to build what we called azure security benchmark and the azure security benchmark is like a checklist of things you can do to secure your resources in azure. He takes the resources in azure and look at cis and nist 853. And then look at the controls and build a checklist on how to implement those controls for every resource in azure.

- The most challenging aspect of this work

Because nobody can be expert in every single service and sometimes cybersecurity analysts have to work with the services where he did not know like what the service was or how it worked or anything.

<https://www.youtube.com/watch?v=uHy3oM7NnoU> (Josh Madakor 2021)



[Cyber Security Work Vlog | Day in the life as a Cyber Security Analyst 2021 on my New Team](#) (Sandra – Tech & Lifestyle 2021)