

Task 1.6P - Job Awareness in IT**1. Computer Architecture**

- ✓ **Job Title:** IT Support Technician
- ✓ **Organization:** XYZ Tech Solution
- ✓ **Key Skills:**
 - Setting up and adjusting computer systems.
 - Identifying and fixing software and hardware issues.
 - Ability to communicate technological issues to non- technical users.
 - The ability to multitask and manage time.
- ✓ **Related Computer Architecture Skills:**
 - Capacity to troubleshoot hardware elements such as memory modules models and CPUs
 - Knowledge of bottlenecks in system performance

XYZ Tech Solution

<https://www.xyztechnologies.com/en/careers/>

2. Operating Systems

✓ **Job Title:** System Administrator

✓ **Organization:** TechCorp Solutions

✓ **Key Skills:**

- Managing and implementing systems.
- Controlling the Linux and Windows operating systems.
- Managing user accounts and controlling access.
- Procedures for backup and recovery.

✓ **Related Operating Systems Skills:**

- Controlling file systems, memory and process scheduling.
- Controlling operating system installations and virtual machine management.
- Understanding of kernel-level configurations and system calls.

<https://www.topjobs.lk/applicant/vacancybyfunctionalarea.jsp?FA=HNS>

3. Hardware

- ✓ **Job Title:** Hardware Engineer
- ✓ **Organization:** ABC Electronics Ltd.
- ✓ **Key Skills:**
 - Precision and attention to detail when putting systems together and taking them apart.
 - Hardware diagnosis and troubleshooting for computers.
 - Hardware Prototype and soldering.
 - Understanding of the architecture of microcontrollers.
- ✓ **Related Hardware Skills:**
 - Updating and swapping out system parts.
 - Recognizing the many kind of hardware parts and how they work.
 - Finding and resolving hardware problems such as faulty parts.

<https://www.linkedin.com/company/abc-electronics-limited/about/>

Job Title and Organization	Key Skills	Computer Architecture/Operating System/Hardware Skills (required for the job)
IT Support Technician (XYZ Tech Solution)	Problem Solving, Technical analysis.	Troubleshooting, CPU design knowledge, System configuration.
System Administrator (TechCorp Solutions)	System Administration, Software management.	Scripting Virtual machine.
Hardware Engineer (ABC Electronics Ltd.)	Hardware maintenance.	Diagnosing hardware issues.