

Technical Evaluation

Thank you for your interest in joining our team. TechSystems USA provides a range of IT expertise and technical support to a variety of customers. Our team members must be proficient in all of these systems and technologies in order to be able to provide the outstanding service our clients deserve and expect.

Our ideal candidate is someone who is self-disciplined, reliable, teachable, a self-starter, accountable, who takes initiative, and has a solid understanding of the concepts and underlying technologies we work with.

We recognize that we all have areas and technologies that we are more proficient and comfortable with.

The following questionnaire serves a two-fold purpose: (1) allow our management to get a glimpse of your current level of technical experience and knowledge, and (2) provide you with a snapshot of the core technologies and services that we work with to support our clients.

Please be truthful and honest in your answers. If you are selected for an in-person interview, we will ask you to elaborate on some of these technical questions.

Thank you for your time and interest. We look forward to your responses.

TechSystems Team

Technical Questionnaire

Name: _____ Phone: _____

Email: _____

Position applying for: _____

Technology	Experience Level			
	0 None Never worked with it	1 Limited Will need additional training	2 Moderate Some assistance required	3 Expert No assistance required
Computer Hardware				
Identify Computer Components				
Troubleshoot Hardware Problems				
Hardware Upgrades Assessment				
OS and Hardware Compatibility				
RAID Levels and Configurations				
CPU Types and Generations				
USB2, USB3, USB4, USB-C				
RAM, VIDEO RAM				
PCI Slot types				
Serial Ports				
Hard Drives				
Types of Hard Drives				
Types of Partitions				
Partitioning Tools				
Types of Cloning				
Cloning Tools				
UNetbootin				
Bare-metal backup & restore				

Technology	Experience Level			
	0 None Never worked with it	1 Limited Will need additional training	2 Moderate Some assistance required	3 Expert No assistance required
Operating Systems – Windows PC				
Windows 10				
Windows 11				
Dell Boot Menu shortcuts (F2, F10, F11, F12)				
HP Boot Menu shortcuts (F2, F10, F11)				
Boot to Win PE Administrative Mode				
PXE Boot				
Page / Swap file				
Windows Registry				
Device Manager				
Task Manager				
Select start-up applications				
Services vs Applications				
Changing a computer hostname				
View network shares configured on local PC				
Access network shares				
Adding a system to a domain				
Creating / managing local Users and Groups				
Creating / managing local disks & partitions				
RMM Providers				
Endpoint Security Solutions				
Steps to troubleshoot slow performance				
Tools for registry optimization				
How can you fix Windows start-up problems				
Ways of reinstalling Windows 10 & 11				

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Operating Systems – Windows Server				
Versions of Microsoft Server				
Dell Boot Menu shortcuts (F2, F10, F11, F12)				
HP ProLiant Boot Menu shortcuts (F2, F10, F11)				
Dell PE Lifecycle controller shortcut				
Dell RAID Controllers: PERC, SAS				
Microsoft Server CAL types				
Microsoft Server default number of CALs				
What is a Windows printer				
macOS				
Versions of macOS				
CMD+R				
Disk Utility				
Activity Monitor				
Security & Privacy				
RMM vendors				
Linux				
Major Linux Distros				
CTR+ALT+F2 (Virtual Desktops)				
SQL Server				
Versions of SQL Server				
SA user				
SA vs Windows Login				
SQL Backups				
SQL db migration				

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Command Line (CLI) – DOS				
CMD				
DIR				
CD				
MD				
DEL				
DISKPART				
NET USE				
Command Line (CLI) – PowerShell				
Modules				
GET- Commands				
SET- Commands				
Pipeline				
Functions				
Variables				
Environmental variables				
Command Line (CLI) – Bash				
CL				
MKDIR				
RM				
CP				
INIT 6				
IFCONFIG –A				
IP ADDRESS SHOW				
IP LINK SHOW				
IFDOWN ETH0 IFUP ETH0				
IP LINK SET DEVICE DOWN IP LINK SET DEVICE UP				
PING –C 4				

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	0 None Never worked with it	1 Limited Will need additional training	2 Moderate Some assistance required	3 Expert No assistance required
Active Directory (AD), Domains, DNS, and DHCP				
Command to create an AD domain Controller (DC)				
AD default domain extension				
PDC vs BDC vs RDC				
AD Forest				
Adding a Domain Controller to an AD Domain				
DNS Zones				
DHCP default lease time and behavior				
Static vs Reserved IP address				
Which service handles AD users' login info				
Which service handles AD file sharing				
Network Shares				
NTFS folder rights and permissions				
Direct Access permissions vs Role Based Access				
Windows vs. UNIX URL				
AD username syntax				
AD Groups (function and types)				
AD Group vs an AD Distribution List				
AD Computer objects				
Changing the system time on a Domain Controller				
Utility to manage AD users, groups, computers				
Group Policies (what are they)				
Managing Group Policies				
Applied order of Group Policies				
Changing the default password length				
Fixing computer trust relationships in a domain				

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Virtualization				
VMware ESXi				
Azure				
AWS				
Google Cloud				
Parallels				
Ethernet Cabling				
Types of Ethernet cables (CAT 5, 5e, 6, 6a, 7, 8)				
Ethernet termination standards (T568B vs T568A)				
Function of Ethernet Pairs (types of signal on pairs)				
Patch cable vs. crossover cable vs. rollover cable				
Ethernet couplers				
Ethernet splitters				
Telephone cable termination (pinout)				
Maximum effective length of Ethernet cables				

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Computer Networking				
The difference between LAN, WAN, WWAN				
What is a VLAN				
What is a subnet				
Subnet Classes and sizes				
CIDR notation				
Public vs Private IP addresses				
Usable IP addresses in a subnet				
IPv4 address				
IPv6 address				
APIPA IP address				
DHCP				
MAC Address				
DNS and its purpose				
SAMBA protocol - SMB1, SMB2, SMB3				
Network Interface Cards (PCI, PCIe, USB)				
Networking Command Line (CLI)				
Ipconfig /all				
Ifconfig				
Iwconfig				
Ipconfig /release & ipconfig /renew				
Ipconfig /flushdns & ipconfig /registerdns				
Netstat				
Tracert				
Nslookup				
Path ping				
Cisco CLI				

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Wireless networking				
The difference between 802.11b, a, g, n, ac, ax				
Wireless channels				
Wireless heat maps				
Wireless radios				
Major wireless vendors				
Wireless controllers				
Hotspots				
Guest Wireless Networks				
Wireless isolation				
Wireless beaming				
Wireless mesh				
Wireless tools and testers				
Integrating a wireless network to a wired network				
What is WWAN				

Signature