Khalil Hasanzade

Senior Systems Administrator | Infrastructure Engineer

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SUMMARY

Senior Systems Administrator and Infrastructure Engineer with 9+ years of hands-on experience designing, migrating, securing, and supporting Windows, Linux, cloud, virtualization, VPN, and network infrastructure across government, international managed services, hosting, and consulting environments. Built infrastructure for 200+ users, administered a 50+ server hybrid estate, and delivered 400+ client projects with a 5.0 Freelancer rating across 318 public reviews. Combines systems and network operations, backup and disaster recovery, infrastructure security, and AI-assisted automation using PowerShell, Bash, Python, and local LLM platforms.

TECHNICAL SKILLS

Windows & Identity: Windows Server, Active Directory Domain Services, Group Policy, DNS, DHCP, Exchange Server, Microsoft 365, Entra ID, IIS, RDS, file services

Linux & Hosting: Ubuntu, Debian, RHEL/CentOS, AlmaLinux, Nginx, Apache, LiteSpeed, cPanel/WHM, WHMCS, Plesk, MySQL/MariaDB, PostgreSQL, Postfix, Exim, Zimbra

Cloud & Virtualization: AWS, Microsoft Azure, Google Cloud, VMware ESXi/vCenter, Hyper-V, Proxmox VE, Docker, high availability, cross-platform migrations

Networking, VPN & Security: WireGuard, OpenVPN, IPsec, Layer 2 and Layer 3 networks, FortiGate, Cisco, HP, MikroTik, pfSense/OPNsense, VLANs, routing, firewall rules, HA, network monitoring

Operations, DR & Automation: Veeam, Iperius Backup, monitoring, failover, disaster recovery, Ansible, Terraform, PowerShell, Bash, Python, AI agents, local LLM servers, ticket triage and endpoint remediation

Languages: Azerbaijani (Native), Turkish (C2), English (C1), Russian (A2), German (A1)

EDUCATION

Azerbaijan Cooperation University **2016 – 2021**
Bachelor's Degree

Microsoft **Jan 2021 – Present**
Microsoft Certified Solutions Expert (MCSE): Productivity

Microsoft **Jan 2021 – Present**
Microsoft Certified Solutions Associate (MCSA)

Microsoft **Jan 2021 – Present**
Microsoft Certified Trainer (MCT)

cPanel **Oct 2024 – Present**
cPanel & WHM System Administrator II (CWSA-2)

ICT LAB Application and Training Center, Ministry of Digital Development and Transport of Azerbaijan **2019**
System Administration

ICT LAB Application and Training Center, Ministry of Digital Development and Transport of Azerbaijan **2022**
Information Policy and Information Security for Government Institutions

EXPERIENCE

Freelancer.com **2021 – Present**

Senior Systems Administrator & DevOps Engineer (Freelance · Project-based) *International Clients*

- Completed 400+ infrastructure, cloud, networking, hosting, migration, and automation projects for clients in 30+ countries; maintained a 5.0 rating across 318 public reviews and earned Preferred and Verified Freelancer status.
- Delivered Microsoft projects covering Active Directory and domain controllers, Exchange hybrid mail flow, Microsoft 365 domain consolidation, Entra ID, Azure App Registrations, Microsoft Graph permissions, DNS, identity, and secure connectivity.
- Designed and recovered VMware ESXi/vCenter, Hyper-V, and Proxmox environments, including a three-host vCenter HA deployment, cross-platform VM migrations, backup recovery, and Windows/Linux production workloads.
- Implemented FortiGate SD-WAN, WireGuard and IPsec VPNs, MikroTik, pfSense/OPNsense, VLAN and firewall solutions; delivered infrastructure-as-code and automation projects using Ansible, Terraform, Ollama, ComfyUI, OpenClaw, PowerShell, Bash, and Python.

Precise Business Solutions LLC **Sep 2024 – May 2026**

Cloud System Administrator *United States*

- Administered, reconfigured, monitored, and analyzed a 50+ server estate spanning 15 AWS servers, 5 Google Cloud servers, and physical Windows/Linux infrastructure for an MSP serving enterprise and SMB clients.
- Completed 50+ infrastructure and service migrations with zero unplanned downtime across cloud and on-premises environments; supported production servers, identity, Microsoft 365, Office 365, networking, backup, monitoring, and IP telephony services.
- Built an AI-assisted service desk workflow that analyzed incoming tickets, selected from dozens of purpose-built scripts, diagnosed endpoint and application issues, and executed approved remediation or software-installation actions; also deployed local LLM servers.

Rose VPN LTD **Apr 2024 – Apr 2025**

Infrastructure Engineer *Scotland, United Kingdom*

- Monitored and maintained VPN and network infrastructure with responsibility for secure connectivity, system health, service availability, and operational continuity.
- Administered WireGuard and OpenVPN across Layer 2 and Layer 3 network environments and monitored VPN connectivity, tunnels, and network health.
- Supported infrastructure security and service resilience through continuous network and system monitoring, security controls, and service-continuity procedures.

Xpedite Technology (PTY) LTD **Mar 2023 – Apr 2024**

Senior Systems Administrator *Johannesburg, South Africa*

- Designed and deployed a company-wide Single Sign-On (SSO) solution (OAuth2/OIDC) unifying email and private cloud authentication for 35+ users; migrated legacy user accounts with zero data loss.
- Migrated corporate email from Google Workspace to a self-hosted Mailcow platform (Postfix, Dovecot, SOGo, Rspamd, Docker); eliminated false-positive rejections through spam-scoring and reputation tuning.
- Deployed and optimized a Nextcloud private cloud (Apache-to-Nginx migration, PHP-FPM tuning, SSO-based mail provisioning); delivered a client-site modernization covering Active Directory/DNS migration, Microsoft 365 Hybrid, and Windows Server deployment.
- Built backup and storage infrastructure with Veeam, TrueNAS, and iSCSI; administered Proxmox VE, VMware ESXi, and Hyper-V environments.

ALOVHOST LTD / BITEP Hosting **Nov 2023 – Present**

Founder & Infrastructure Advisor *London, United Kingdom*

- Founded and lead a UK-registered cloud, VPS, and dedicated-server hosting platform (est. 2023); built dedicated teams that run day-to-day service delivery while providing strategic architecture, reliability, and security oversight.
- Architected the hosting infrastructure stack: Proxmox VE virtualization clusters, cPanel/WHM, WHMCS billing and provisioning automation, Linux servers (Ubuntu, Debian, AlmaLinux), Nginx/Apache/LiteSpeed web tiers, and DNS infrastructure.
- Designed high-availability, backup, and disaster-recovery standards across the server fleet, with monitoring and incident-response procedures ensuring service continuity.
- Directed platform security: server hardening, firewall and DDoS-protection policies, SSL lifecycle management, and abuse handling.
- Oversee a combined infrastructure portfolio of 150+ servers, including strategic infrastructure advisory for partner hosting operations (BITEP).

Constitutional Court of the Republic of Azerbaijan **Feb 2018 – Apr 2024**

Senior Systems Administrator *Baku, Azerbaijan*

- Designed and built centralized, continuously available infrastructure for 150+ users and 12 physical servers, including Active Directory, Exchange Server, Group Policy, DNS, DHCP, and virtualization.
- Configured FortiGate and HP infrastructure across VLANs, routing, VPNs, firewall rules, and high availability while aligning access and data controls with internal government security policies.
- Implemented UPS, fallback and failover design, backup servers, Veeam and Iperius Backup, recovery procedures, and disaster-recovery planning.

AzerTAC - Azerbaijan State News Agency **Sep 2016 – Apr 2018**

Help Desk Technician / Junior Systems Administrator *Baku, Azerbaijan*

- Progressed into server administration through supervised production work and labs covering Exchange updates, Windows/Linux servers, VMware ESXi, Hyper-V, Proxmox, and infrastructure built from the ground up.
- Built core IT support experience across desktop hardware, internal components, workstations, user incidents, and help-desk operations in a 24/7 news environment.
- Managed user accounts in Active Directory: account creation, password resets, group and permission assignments for editorial and technical staff.
- Assisted senior administrators with Exchange Server updates, Windows/Linux server maintenance, and routine backup checks.