

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*Founder & Infrastructure Advisor***Nov 2023 – Present***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*Senior Systems Administrator***Feb 2018 – Apr 2024***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*Help Desk Technician / Junior Systems Administrator***Sep 2016 – Apr 2018***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.