Desmond Williams

Entry-Level Cloud and Identity (IAM) Engineer | Microsoft Azure

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SUMMARY

Entry-level cloud and identity professional with a B.S. in Cloud and Network Engineering (Microsoft Azure concentration). Certified Microsoft Azure Solutions Architect Expert and Azure Administrator Associate, with CompTIA Security+. Hands-on experience building a Microsoft 365 and Entra ID tenant, a hybrid on-premises-to-Azure network with a site-to-site VPN, and a Proxmox virtualization lab. Seeking a junior cloud or identity and access management (IAM) role.

CERTIFICATIONS

- Microsoft Certified: Azure Solutions Architect Expert (AZ-305)
- Microsoft Certified: Azure Administrator Associate (AZ-104)
- CompTIA Security+ | CompTIA Network+ | CompTIA A+
- Microsoft Azure Fundamentals (AZ-900) | AWS Certified Cloud Practitioner | ITIL 4 Foundation | LPI Linux Essentials
- In progress: Microsoft Identity and Access Administrator Associate (SC-300)

EDUCATION

B.S. Cloud and Network Engineering | Western Governors University | Nov 2026

TECHNICAL SKILLS

Identity and Access: Microsoft Entra ID, Microsoft 365 administration, Exchange Online, Azure role-based access control (RBAC), least-privilege admin separation, Active Directory, email authentication (SPF, DKIM, DMARC)
Cloud: Microsoft Azure (Virtual Network, Network Security Groups, VPN Gateway, Virtual Machines, Azure DNS, Blob Storage lifecycle management, Static Web Apps), AWS
Networking: TCP/IP, DNS, DHCP, VLANs, 802.1Q trunking, ACLs, IPsec/IKEv2 site-to-site VPN, OSPF, VyOS, GNS3, Wireshark
Systems and Tools: Linux, Windows, Proxmox VE, Docker, Docker Compose, Bash, PowerShell, Git, GitHub, CI/CD, Tailscale, n8n

PROJECTS

Microsoft 365 and Entra ID Tenant Build | desmondwilliams.net

- Built a Microsoft 365 and Entra ID tenant on a custom domain, separating a dedicated administrator account from the everyday mailbox to apply least privilege.
- Delegated the domain to an Azure DNS zone and configured MX, SPF, DKIM, and DMARC records; verified that all three email authentication checks pass.
- Provisioned an Exchange Online mailbox with an alias and deployed a site to Azure Static Web Apps from GitHub.

Hybrid Network: On-Premises Studio to Azure over Site-to-Site VPN | WGU Capstone

- Designed and built a hybrid network in GNS3 for a fictional video production studio: four VLANs across two switches with 802.1Q trunking and router-on-a-stick routing on a VyOS edge router.
- Configured DHCP and ACLs on-premises; built an Azure virtual network with three subnets, VMs, NSGs, and a route table.
- Connected both sides with a site-to-site IPsec/IKEv2 VPN to an Azure VPN gateway and enforced role-based access across the tunnel with router ACLs and NSGs.

Homelab: Proxmox Virtualization with Azure Services | Ongoing

- Run an always-on Proxmox VE host with isolated LXC containers for Docker services and a VM-based GNS3 network lab, reached remotely over Tailscale with no ports exposed to the internet.
- Manage Azure Blob Storage with private containers and lifecycle policies that tier data to cool after 30 days and archive after 90; resolved a data-access failure by assigning the Storage Blob Data Contributor role.
- Host a self-hosted AI chat interface (Open WebUI) backed by a local Ollama model and a model deployed in Azure.
- Ran a 10+ container Docker Compose stack (PostgreSQL, Redis, n8n) and recovered five databases after a failed initialization.

WORK EXPERIENCE

Night Auditor | Extended Stay America Inc. | Gibsonton, FL | Nov 2023 - Present

- Maintain and troubleshoot front-desk systems, POS terminals, printers, and network connectivity in a 24/7 environment.
- Processed 1,000+ guest check-ins in HotelKey and perform nightly audits, reconciliations, and financial data verification.

Technical Support Representative | Computer Generated Solutions | Tampa, FL | Aug 2023 - Nov 2023

- Provided Tier 1 technical support for Lenovo ThinkPad and IdeaPad customers across hardware, software, and network issues, documenting 100+ cases in Microsoft Dynamics.