

Nathan Carpenter

Cloud Engineer

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Summary

As a Systems Administrator at a New York multi-branch community bank, I've gained hands-on experience managing secure, enterprise-grade cloud and on-premises infrastructure. I bring a strong passion for technology, a self-driven mindset, and a versatile skill set that allows me to tackle complex IT challenges with confidence.

Experience

Cattaraugus County Bank (July 2024 - Current)

- Experienced in the full Microsoft Entra suite, including Intune, Exchange Admin, Purview, and related tools, for endpoint management, mail flow, compliance, and security across diverse enterprise environments.
- Designed, deployed, and maintained Azure Virtual Networks. Experienced in firewalls, NSGs, routing configurations, and secure hybrid connectivity using S2S VPNs.
- Applied strong Azure governance practices, including role-based access control (RBAC), resource locks, tagging strategies, and policy enforcement to maintain consistent operational standards.
- Provisioned, configured, and optimized Azure Virtual Machines, ensuring proper sizing, OS hardening, backup configuration, and monitoring to support reliable production operations.
- Managed and deployed web applications using Azure App Service, including scaling configurations, deployment slots, and integration with CI/CD pipelines to streamline application delivery.
- Utilized other Azure services such as Storage Accounts, Key Vaults, Load Balancers, and Monitoring tools to support secure and reliable cloud workloads.
- Managed technical support for all internal staff across 6 branches, independently resolving Tier 1–3 issues.
- Maintained and administered Windows Server infrastructure, including DHCP, Group Policy, Active Directory, NPS, File & Print services, and Certificate Authority.
- Led deployment and maintenance of Cisco networking equipment; configured RADIUS authentication to secure internal wireless infrastructure. Experienced with Meraki portal configuration.
- Provisioned user access across 30+ enterprise systems, handling both onboarding and offboarding.
- Created and maintained PowerShell scripts to automate and streamline routine tasks, improving efficiency.
- Led multiple self-initiated IT projects, demonstrating strong independence and ownership.
- Gained professional experience managing virtual infrastructure using VMware, Proxmox and Azure VMSS.

Education

BS: Computer Science

Empire State University | Fredonia, New York
GPA: 3.89 | December 2023

AS: Computer Science

Jamestown Community College | Jamestown, New York
GPA: 3.50 | September 2022

Certifications

Microsoft Certified: Azure Fundamentals (AZ-900)

Microsoft | January 2026

TestOut Network Pro

TestOut Corporation | April 2021

Associate in Information Technology (AIT)

Jamestown Community College | May 2022

TestOut PC Pro

TestOut Corporation | December 2020