Peter Delgado

Cloud Engineer

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Summery

Data Center Technician supporting Microsoft infrastructure, transitioning into IT and Cloud Engineering. Experience with monitoring, troubleshooting, documentation, and high-availability environments, paired with hands-on Azure and IT training.

Certifications

Information Technology Certificate | Course Careers   2026

Training for practical experience with computer networking, cybersecurity, troubleshooting, cloud computing, and system administration. Hands-on training with osTicket, sandbox environments in Microsoft Azure, cloud-based firewalls (network security groups), Active Directory, DNS, file-sharing, and permissions

Air Conditioning, Refrigeration, & Heating Technology | Lincoln Technical Institute   2025

Industry-aligned certification validating hands-on training in HVAC/R systems, electrical fundamentals, refrigeration, motors, controls (DDCs), preventative maintenance, and safety (OSHA 30).

EPA Universal | Esco Institute | ID: 1363319652418   2025

Certificate Number: 1363319652418

Exam on how to responsibly handle refrigerants as required by the EPA's National Recycling and Emission Reduction Program

High School Diploma | Windham High School   2015

Work Experience

Data Center HVAC Technician · Johnson Controls · San Antonio, TX, USA   2025 - Present

· Supported mission-critical Microsoft data center operations, helping maintain cooling reliability in a high-availability environment

  Consistently completed preventative maintenance on YVAA chillers with accurate operational logging and documentation

  Identified and troubleshot mechanical and electrical issues, reducing risk of unplanned downtime

  Maintained 100% compliance with Microsoft safety, change-management, and operational procedures

  Recognized for clear communication and coordination with Controlled Environment (CE) teams during maintenance activities

HVAC Technician · Lennox · South Windsor, CT, USA   2024 - 2025

· - Assist with on-site preventative maintenance, routine repair, and calibration after installation.
  Uses technical abilities to maintain systems.

  - Work in a team-based environment to share information and workload while ensuring customer satisfaction.
  Work safely daily and ensure that all safety measures are taken at all times.

  - Performs other duties as assigned.

Facilities Operations Technician · Eastern Connecticut State University · Willimantic, Windham, CT, USA   2019 - 2023

· - Maintained dormitories, classrooms, offices, auditoriums, kitchens, dining areas, lavatories, and outdoor spaces.

  - Performed routine cleaning and floor care, including dusting, mopping, sweeping, scrubbing, stripping, waxing, and polishing
  using industrial equipment.

  - Completed minor maintenance tasks such as replacing light bulbs, fuses, ceiling tiles, and floor tiles, and adjusting fixtures
  and hardware.

  - Prepared facilities for daily use by setting up classrooms, moving furniture, and maintaining safe walkways through sanding
  and salting.

Education

CourseCareers | Certificate   Grad 2026

Information Technology

Structured IT and cloud curriculum covering Azure fundamentals, networking, Active Directory, DNS, VPNs, ticketing systems,
and IT troubleshooting. The program includes hands-on labs, simulated support scenarios, and professional development
aligned with enterprise IT and cloud operations.

Lincoln Tech | Certificate   Grad 2025

Heating/Air Cond/Refrig Install/Repair

Hands-on HVAC/R training focused on electrical systems, refrigeration, motors, and digital control systems
(DDCs) supporting high-availability, mission-critical environments. Emphasis on monitoring, preventative maintenance,
troubleshooting, documentation, and safety (OSHA 30)—skills directly transferable to data center and cloud infrastructure
operations.

Windham High School | High School Diploma   Grad 2015

Liberal Arts & General Studies*

Completed general studies with emphasis on communication, problem-solving, teamwork, and foundational computer
literacy.

Projects

Azure Public & Private Networking · github.com/peterdelgado92013/azure-public-private-networking · Built a secure Azure
virtual network architecture with public and private subnets. Configured NSGs, SSH access, and traffic inspection to enforce
least-privilege access.

This project demonstrates how to design a secure Azure Virtual Network (VNet – Virtual Network) with a public subnet and
a private subnet, apply Network Security Group (NSG – Network Security Group) rules, and validate secure access using
Secure Shell (SSH – Secure Shell).

· This project demonstrates my ability to design, secure, and validate Azure cloud networking components using industry best
  practices. I implemented subnet isolation, Network Security Groups, and secure SSH access, and verified network behavior
  through hands-on testing and documentation.

Azure Virtual Machine Deployment · github.com/peterdelgado92013/azure-virtual-machine-deployment · Deployed and secured Windows and Ubuntu virtual machines in Azure. Configured networking, remote access (RDP/SSH), and security best practices.

This project demonstrates the deployment and configuration of an Azure Virtual Machine using secure networking best practices. I created and configured core Azure resources, including a Resource Group, Virtual Network, Network Security Group, and a Linux Virtual Machine. I also verified secure SSH access and validated network behavior to ensure the environment was functioning correctly.

· This project demonstrates my ability to design, deploy, secure, and validate Azure virtual machine infrastructure using industry best practices. I implemented secure networking, controlled access using Network Security Groups, verified connectivity through SSH, and documented the entire process in a professional and structured manner.

Azure Windows VM RDP Project · github.com/peterdelgado92013/azure-windows-vm-rdp · Configured secure RDP access to a Windows VM in Azure. Focused on access control, firewall rules, and troubleshooting connectivity issues.

This project demonstrates the deployment of a Windows Server virtual machine in Microsoft Azure and the secure access to it using Remote Desktop Protocol (RDP) from a macOS device. The project highlights core cloud engineering concepts, including resource groups, virtual machines, networking, security groups, and remote access.

· This project demonstrates hands-on experience with Azure compute resources, secure remote access, and cloud cost optimization — foundational skills for a Cloud Engineer role.

Skills

SoftSkills: Customer Service/Customer Care · time management · Reliability & Accountability · Teams and Collaboration · Attention to Detail · Cross-functional Communication · Problem-Solving

Other: Microsoft Excel · Microsoft Word · EPA Universal · Microsoft Office Suite · osTicket

Documentation: Technical Documentation · IT Documentation · Operational Logging & Reporting · Technical Communication

Monitoring: Data Entry & Logging Systems · Infrastructure Monitoring · Systems Monitoring & Alarms · Monitoring & Control Systems

Troubleshooting: Systems Troubleshooting · Root Cause Troubleshooting · Diagnostic & Testing Tools

ActiveDirectory: Active Directory (Foundational) · Identity & Access Basics

Networking: Networking Fundamentals (DNS, VPNs) · Network File Shares & Permissions

DataCenter: High-Availability Environments · Data Center Operations · Mission Critical Environments

Safety: Safety-First Mindset · Safety & Compliance (Microsoft Standards)

Cloud: Azure Fundamentals • Infrastructure Monitoring • Incident & Ticket Management • Windows OS • Active Directory (Foundational) • Networking (DNS, VPNs) • Systems Troubleshooting • Technical Documentation • Data Center Operations • Safety & Change Control • Preventative Maintenance · Azure Fundamental · IT Support & Cloud Foundations

IncidentManagement: Incident & Ticket Management

OperatingSystems: Ticketing Systems (Conceptual / Hands-On Training · Windows Operating Systems

Maintenance: Preventive Maintenance