Trent Bracklein

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Relevant Experience

Clarus Glassboards – System Administrator | Fort Worth, Texas

18.5%	**$45K**	**200+**
Budget Reduction	Cost Savings	Employees served

Responsibilities: Responsible for all aspects of IT for 200+ employees including management of on-prem/cloud servers & networking, budgeting, creating policy, negotiating contracts, and all desktop support needs.

Notable Projects:

- **Upgraded Servers:** Upgraded from Windows Server 2012 to 2025. Established backups, tested recovery time, and built disaster recovery documentation. Upgraded from 6-core 1.8GHz to 8-core 3.2GHz processors for $25 per server, increasing RAM speed from 1666 to 2166. Replaced CMOS and RAID batteries, upgraded TPM from 1.3 to 2.0.
- **Built Automation Server:** Setup automation infrastructure for Tableau developer using Proxmox as hypervisor with PCI passthrough, Ubuntu VM running n8n Docker container and Ollama.
- **Implemented Log Ingestion into CrowdStrike SIEM:** Protected Clarus from System Admin role vulnerabilities. Created custom parsers for Ubiquiti network logs using AI, integrated with CrowdStrike's data connectors and parsers for services including Okta.
- **Developed Security Maturity:** Email security - Published DNS security records, implemented Egress. Endpoint - Switched from Darktrace EDR to CrowdStrike Complete MDR, saving money while gaining managed solution. Network security - Content filtering, safe DNS, zone-based firewall for network segmentation, IDS/IPS.
- **Vendor Review:** Reduced waste by $45K, approximately 18.5% of IT budget through strategic vendor optimization.

Beyondthebit MSP – Site Lead | Dallas, Texas

6	**1,000+**
Clients Managed	Employees served

Responsibilities: Responsible for 6 clients with 1,000+ total combined employees. Handled tasks associated with various roles including System Administration, Networking Administration, Desktop Support, and Technical Leadership.

Familiar Products and Technologies: Kaseya (AutoTask, Datto, ITglue), Microsoft (Client, server, cloud, on-prem), Ubiquiti & Cisco.

Education

Associate's Degree – Computer Networking
Collin College
📍 Frisco, TX | 📅 Dec 2025

Vice President of the Computer Science & Engineering Club; organized events such as CCNA Bootcamp with Cisco Press Authors.

Associate's Degree – Cybersecurity
Collin College
📍 Frisco, TX | 📅 Dec 2023

Certifications

Cisco Certified Network Associate
Cisco
📅 Jan 17, 2025

Integrated Networking Cloud Technician
Collin College
📅 Aug 2025

Windows Administrator
Collin College
📅 Aug 2025

Networking Systems Professional
Collin College
📅 May 2025

Datacenter Technician
Collin College
📅 May 2025

Cybersecurity Infrastructure Technician
Collin College
📅 Aug 2023

Home Lab Infrastructure

A production-grade lab environment demonstrating hands-on expertise with enterprise technologies:

🖥️ Hardware Stack

- **2x Quanta Servers:** Proxmox cluster nodes for high-availability virtualization
- **Cisco Catalyst 3560:** Layer 3 switch for VLAN routing and inter-VLAN communication
- **Cisco 2821 Router:** WAN simulation and routing protocol testing (OSPF, EIGRP)
- **ZimaBoard SBC:** Low-power edge device running OPNsense firewall

🖧 Network Architecture

- **OPNsense Firewall:** Configured advanced firewall rules, NAT, VPN (OpenVPN/IPsec), and traffic shaping
- **VLAN Segmentation:** Implemented multi-VLAN topology with inter-VLAN routing and ACLs
- **Cisco CML:** Virtualized Cisco environment for complex network topologies and protocol testing

📦 Virtualization & Services

- **Proxmox Cluster:** High-availability virtualization with shared storage and live migration
- **Windows Server 2019:** Active Directory domain controller with DNS, DHCP, Group Policy, and file services
- **Linux VMs:** Various distributions for service hosting and security testing
- **Container Services:** Docker and LXC containers for application deployment