



# Trent Bracklein

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## Relevant Experience

### Clarus Glassboards – System Administrator | Fort Worth, Texas

200+

Employees

\$45K

Cost Savings

18.5%

Budget Reduction

**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

Clients Managed

1,000+

Total Employees

**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 – 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 – 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