

David Tolo

Senior Cloud, Security & Network Infrastructure Architect

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PROFILE

30 years building enterprise infrastructure. Now building AI-powered systems that did not exist yesterday. Cloud architect, security engineer, and founder with deep, hands-on experience across network security, hybrid cloud, virtualization, and disaster recovery. Three decades of production experience brought to every layer of the modern stack.

CORE COMPETENCIES

- **Cloud Architecture** (Azure, GCP, AWS)
- **Zero-Trust** Security Architecture
- **Virtualization** (VMware, Hyper-V, XEN)
- **Hybrid Cloud** & Cloud Migration
- **Network Security** & Palo Alto NGFW
- **Disaster Recovery** & High Availability
- **AI Infrastructure** & Automation
- **TOGAF** Architecture Framework

PROFESSIONAL EXPERIENCE

Senior Infrastructure Engineer

Jun 2023 - Present

TWE Technology Solutions (formerly TWE Solutions)

- ◆ Enterprise infrastructure engineering at **MSP scale** across multiple client environments.
- ◆ Network security, **firewall management**, and cloud architecture for production workloads.
- ◆ Hands-on **Palo Alto Networks** configuration across hardware and software firewalls, including External Dynamic Lists (EDLs), anti-spyware profiles, and DNS signature policy.
- ◆ Remote infrastructure management, implementation, and lifecycle support.

Founder & CEO

2016 - Present

Virtual Works AI (virtualworks.ai)

- ◆ Built and operates an **AI-powered digital infrastructure platform** serving businesses, nonprofits, and enterprises nationally.
- ◆ Deployed full-stack web presence, automation, and AI systems with integrations across **Twilio, Claude AI, Google Cloud, and the Meta API**.
- ◆ Production stack on **Hetzner, Nginx, Node.js, and PostgreSQL**.

Consultant

2019 - 2023

Berkshire Hathaway USA

- ◆ **Azure architecture** for enterprise-scale hybrid cloud environments.
- ◆ IPsec and **ExpressRoute** connectivity design and implementation.
- ◆ **Zero-trust security** architecture and on-premises to cloud migration with minimal disruption.

Virtualization Engineer

2004 - 2016

Oracle USA

- ◆ **Large-scale virtualization** and data center management worldwide.
- ◆ Windows and Linux platform **migrations** across global environments.
- ◆ Virtualization platforms: **VMware, OVM, OVS, and XEN**; operations and reliability for enterprise data center fleets.

TECHNICAL SKILLS

Cloud & DevOps

- Microsoft Azure
- Google Cloud
- AWS
- Hybrid Cloud
- Cloud Migration
- ExpressRoute
- DevOps

Security & Network

- Palo Alto NGFW
- Panorama
- SD-WAN
- EDLs
- Anti-Spyware
- DNS Signatures

CERTIFICATIONS

Palo Alto Networks

Hardware & Software Firewalls

Microsoft Azure

Cloud Architecture

Virtualization

Zero-Trust

IPsec VPN

Virtualization, DR & Systems

VMware

Hyper-V

XEN

OVM / OVS

High Availability

Disaster Recovery

Windows Server

Linux (all flavors)

Active Directory

AI & Automation

AI Infrastructure

Claude AI

Twilio

Meta API

Node.js

PostgreSQL

Nginx

TOGAF

VMware, Hyper-V, XEN, OVM/OVS

Active Directory

Identity & Access

Microsoft Server

Enterprise Systems

Linux

All Major Distributions