

# Robert Osley

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## PROFESSIONAL SUMMARY

Cloud Security Architect with 10 years of experience spanning infrastructure management, identity architecture, privileged access management, and cloud security. Deep technical background in designing and operating hybrid environments from the data center to Azure, with a security-first approach to every layer of the stack.

## KEY PROJECTS

### Enterprise Zero Trust Identity Platform

Designed and deployed a multi-cloud IAM solution with federated authentication, SCIM provisioning, Entra ID Governance, and Azure PIM — unifying identity across cloud and on-prem with just-in-time privileged access.

### Datacenter-to-Azure Migration

Led full datacenter migration to Azure including decommission of legacy systems, network architecture with VNets, peering, NSGs, and Azure Firewall, and modernization of workloads for cloud-native operation.

### Org-Wide CIS Compliance Overhaul

Raised CIS L1 benchmark compliance from 38% to 96% across ~800 systems, then led full domain refresh upgrading benchmarks from CIS 2016 to 2025 with GPO consolidation and OU restructure.

### Secure Message & File Transfer Platform (SecureMFT)

Built and deployed a Rust/Axum application on Azure Container Apps replacing a legacy file transfer solution — featuring AES-256-GCM envelope encryption, SAML 2.0 SSO via Entra ID, self-destructing links, a plugin system for dropsites and ServiceNow integration, and VNet-isolated private endpoints with Bicep IaC.

## EXPERIENCE

### Cloud Security Architect

Jun 2020 – Present

Data Intensity — Covington, KY — Multi-cloud MSP and Oracle Platinum Partner managing enterprise workloads

*Senior Security Engineer (2020) → Principal Information Security Engineer (2021) → Cloud Security Architect (2025)*

- Manage Security, Compliance, and IT teams with 10 direct reports across infrastructure, identity, and endpoint management for ~500 users.
- Architected multi-cloud IAM across Azure and OCI with federated auth, SCIM provisioning, and custom attributes — synchronizing identity from Entra ID and Okta into a single source of truth for all internal and external users.
- Deployed Entra External ID as a CIAM solution for customer authentication in an MSP environment, enabling secure self-service access without internal directory exposure.
- Automated identity lifecycle with Entra ID Governance, reducing provisioning and deprovisioning from 1 hour to under 1 minute.
- Deployed Azure PIM with custom roles for IT teams, removing default domain admin and global admin assignments across the organization to enforce least-privilege access.
- Led full datacenter-to-Azure migration, decommissioning legacy on-prem systems and modernizing workloads for cloud-native operation.
- Designed Azure network architecture with VNets, NSGs, Azure Firewall, and Palo Alto NVAs in HA for DR with API-driven failover.
- Eliminated \$35K/yr by migrating org-wide MFA from legacy tokens to Microsoft Authenticator with conditional access policies.
- Led full AD domain refresh: upgraded CIS benchmarks from 2016 to 2025 with staged rollout, restructured OUs, consolidated legacy GPOs, and coordinated forest-level updates.

- Designed AVD management and privileged access workstations to enforce admin/standard account separation; automated deployment with PowerShell.
- Built and deployed SecureMFT, a Rust/Axum secure file and secret sharing platform on Azure Container Apps using AI-assisted development, replacing a legacy transfer solution. Features AES-256-GCM envelope encryption, SAML 2.0 SSO with RBAC, encrypted audit logging with key rotation, and a plugin system for dropsites and ServiceNow integration — deployed via Bicep IaC with VNet-isolated private endpoints.
- Led incident response for compromised accounts, vulnerable web applications, and hosts running malicious services; contained all threats with zero data loss.
- Reduced Azure spend by \$240K through reserved instances, right-sizing VMs, storage tier optimization, and legacy system consolidation.

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### **Game Day Assistant — Still Photo Technician (Seasonal)**

2025 Season – Present

National Football League — Cincinnati, OH

- Operate and maintain the NFL sideline photo replay system including dedicated system racks in home and visiting coach booths, sideline capture systems, and player/coach tablets used to review plays during live games.

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### **Senior Systems Engineer**

Oct 2018 – Jun 2020

SurePoint Technologies (FKA Rippe & Kingston) — Cincinnati, OH

- Redesigned internal and client-facing VMware infrastructure in 8 months, enabling scalable client onboarding with near-zero overhead.
- Replaced legacy Remote Apps with fully redundant VMware Horizon VDI, eliminating recurring support outages.
- Launched DUO MFA as a client-facing sales offering, generating new revenue and reducing authentication risk.

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### **Systems Administrator**

Nov 2016 – Sep 2018

Data Intensity — Covington, KY

- Managed VMware Horizon VM lifecycles and coordinated org-wide Windows 8 to 10 migration under patch SLAs.
- Maintained on-site hardware and virtual infrastructure; upgraded legacy XenServer and ESXi hosts to supported versions.

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### **Senior VMware Consultant — VMware PSO (Federal)**

Apr 2016 – Nov 2016

Entelligence IT — Remote

- Automated onboarding of federal court tenants into vRealize Automation 6.2 and built Orchestrator workflows for network provisioning via NSX API, saving 200+ labor hours annually.
- Led vRealize Automation 7 POC for SAIC-EPA with AD workflows for automated OU placement and VM naming standards.

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## **SKILLS**

**Architecture & Design:** Solution Architecture, Cloud Migration, Azure Landing Zones, Hybrid Infrastructure, Datacenter Modernization, Capacity Planning, Technical Documentation • **Identity & Security:** IAM, RBAC, PAM, Entra ID, Okta, Conditional Access, PIM, Zero Trust, MFA, SSO, SCIM, Incident Response • **Infrastructure:** Active Directory, Azure, OCI, VMware, Intune, CIS Benchmarks, AVD, VNets, NSGs, Azure Firewall, Palo Alto • **Tooling:** PowerShell, Bash, Python, Rust, Bicep, Git, Azure PowerShell SDK, Azure Key Vault, ServiceNow, LogicMonitor, vRealize Orchestrator, Confluence

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## **EDUCATION & CERTIFICATIONS**

University of Cincinnati — B.S. Information Technology

Microsoft Certified: Azure Fundamentals (AZ-900) | AZ-500 (In Progress)

VMware Certified Professional