DAVID LLOYD | DAVID@THELLOYD.FAMILY | (949) 478-4842

Summary

Cloud Security Architect with over 17 years of experience in designing and implementing comprehensive security frameworks across enterprise environments. Expert in the entire Microsoft Azure security suite, including Microsoft Defender for Cloud, Sentinel, Entra ID, and Azure Policy, with a proven track record of integrating Zero Trust principles to safeguard data, identities, and applications. Adept at security automation and orchestration, container security strategy, and managing cloud security risk and posture. Experienced in aligning cloud strategies with international security standards, including ISO 27001, ISO 27002, NIST SP 800-53, and others. Recognized for delivering scalable, secure, and high-performance architectures that meet the demands of mission-critical workloads while ensuring compliance with regulatory requirements such as SOX, GDPR, and PCI-DSS.

Skill Summary

Cloud Security Architecture & Governance

- Over 5 years of experience in cloud security design, including Zero Trust governance models for securing data, identities, and platforms.
- Expertise in Microsoft Entra ID for secure identity management, access control, and conditional access policies.
- Strong understanding of Cloud Adoption Frameworks (CAF) and Well-Architected Frameworks (WAF) for risk and posture management.
- Proficient in implementing and auditing security frameworks aligned with ISO 27001, ISO 27002, and NIST SP 800-53.

Security Automation & Orchestration

- Extensive experience automating and orchestrating security processes using Microsoft Defender for Cloud, Logic Apps, and PowerShell scripting.
- Skilled in implementing CI/CD pipelines and Infrastructure as Code (Bicep) for secure and scalable cloud deployments.

Container Security

- Proficient in container security strategy development, including securing Kubernetes clusters and leveraging Microsoft Defender for Kubernetes.
- Hands-on experience with governance frameworks for containerized environments in Azure.

Zero Trust Implementation

- Designed and implemented Zero Trust models to protect sensitive data, applications, and identities.
- Integrated multi-layered security solutions to enhance enterprise cloud postures.

Risk Management & Compliance

- Experienced in aligning cloud security frameworks with SOX, GDPR, PCI-DSS, ISO 27001, and NIST SP 800-53 standards.
- Implemented advanced monitoring and auditing tools to meet regulatory and operational requirements.

Enterprise Collaboration & Leadership

- Proven ability to lead cross-functional teams to execute cloud security strategies and drive executive alignment.
- Strong focus on measurable outcomes and cost-effective solutions for mission-critical applications.

Experience

Neudesic, an IBM company, Irvine, CA   **11/2023 – Current**
Principal Consultant

- Led strategic planning and implementation of security frameworks for mission-critical SAP workloads in Azure.

- Designed Zero Trust governance models for securing data, applications, and identities in multi-cloud environments.
- Developed automation workflows for Microsoft Defender for Cloud, improving threat detection and response times.
- Enhanced enterprise cloud security postures with strategic use of CAF and WAF frameworks, focusing on risk management.
- Aligned security implementations with ISO 27001, ISO 27002, and NIST SP 800-53 standards.

Tools & Technologies: Azure Virtual Machines, Azure Functions, Azure Storage, Azure NetApp Files, Azure Load Balancers, Entra ID, Azure DevOps, GitHub Actions, PowerShell, ARM templates, Bicep, PowerShell, Python, Azure Policy, Azure Monitor, Azure Sentinel, Azure Firewall, Key Vault, Microsoft Cloud Adoption Framework (CAF), Microsoft Well-Architected Framework (WAF), Microsoft 365, Service Bus, Event Hub, Azure Kubernetes

Trusted Tech Team, Irvine, CA   **2/2020 – 10/2023**
Director | Information Technology
- Spearheaded enterprise-grade security architectures, focusing on Zero Trust models and cloud security posture management.
- Automated threat response workflows using Azure Logic Apps and Microsoft Defender for Cloud.
- Designed secure CI/CD pipelines for containerized applications and Kubernetes environments.
- Ensured compliance with ISO 27001, NIST SP 800-53, and PCI-DSS by implementing rigorous security controls.

Tools & Technologies: Azure Virtual Machines, Azure Functions, Azure Storage, Azure NetApp Files, Azure Load Balancers, Entra ID, Azure DevOps, GitHub Actions, PowerShell, ARM templates, Bicep, PowerShell, Python, Azure Policy, Azure Monitor, Azure Sentinel, Azure Firewall, Key Vault, Microsoft Cloud Adoption Framework (CAF), Microsoft Well-Architected Framework (WAF), Microsoft 365, Azure Kubernetes

South Orange County Wastewater Authority, Dana Point, CA   **11/2016 – 2/2020**
Manager | Information Technology
- Executed a cloud-first strategy, retiring on-premises servers and migrating all core services to Azure AD and SaaS platforms—establishing a blueprint for SAP on Azure transformations.
- Integrated secure identity management using Conditional Access, Azure AD Identity Protection, and SSO, aligning perfectly with the robust role management required for SAP solutions.
- Reduced software overhead by consolidating SaaS platforms and enabling SSO through Azure AD, delivering a scalable model that simplifies user provisioning and access for large ERP systems.

Tools & Technologies: Entra ID, Entra ID Connect, Entra ID Conditional Access, Entra ID Protection, Meraki-managed network, VPN, Identity-based VLANs, Microsoft 365, Microsoft Cloud Adoption Framework (CAF), Microsoft Well-Architected Framework (WAF)

DAS Health Solutions, Newport Beach, CA   **11/2008 – 10/2016**
Engineer | Information Technology
- Adopted early Microsoft Azure services to modernize client IT infrastructures, building foundational expertise applicable to large-scale SAP migrations.
- Automated vital IT processes using PowerShell scripting for deployment, monitoring, and reporting—precursors to modern CI/CD approaches that streamline SAP updates.
- Managed multi-tenant AD environments, applying secure user provisioning and policy enforcement—a critical skill set for role-based access in SAP.

Tools & Technologies: Early Azure VMs, Azure Storage, Virtual Networks, PowerShell, Windows Server, Group Policy (GPO), Citrix XenApp, Cisco routers, Cisco switches, Epic EHR

Education

University of Maryland - University College
M.S. IT – Information Assurance   *12/2015*

Lakeland College
BA - Computer Science   *8/2007*

Certifications

ISACA Certified Information Systems Manager (CISM), September 2024 – September 2027
EC-Council Certified Chief Information Systems Officer (C|CISO), August 2024 – August 2027
ISC2 Certified Information Systems Security Professional (CISSP), August 2024 – August 2027
Certified Kubernetes Administrator (CKA), December 2023 – December 2026
Microsoft Certified: Cybersecurity Architect Expert, December 2023 – December 2024
Microsoft Certified: Azure Virtual Desktop Specialty, January 2024 – January 2025
Microsoft Certified: DevOps Engineer Expert, April 2022 – April 2025
Microsoft Certified: Azure Developer Associate, March 2023 – March 2025
Microsoft Certified: Azure Solutions Architect Expert, November 2020 – November 2024
Microsoft Certified: Azure Security Engineer Associate, July 2020 – July 2024
Microsoft Certified: Azure Network Engineer Associate, November 2021 – November 2024