

Mandeep Lally

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Summary

Highly accomplished and results-oriented Cloud and Network Engineer with extensive experience in designing, implementing, and managing robust cloud infrastructures (Azure, AWS) and complex network security solutions. Proven ability to lead cross-functional teams, optimize cloud spending, and drive successful migrations of on-premises workloads to the cloud. Adept at leveraging automation tools like Terraform and Azure DevOps to enhance deployment efficiency and ensure high availability, scalability, and security of critical systems. Seeking to apply expertise in a challenging role that leverages advanced cloud and network engineering skills to deliver impactful solutions.

Experience

Orro Group (formerly NW Computing) | Melbourne

Azure Expert Network and Cloud Engineer | February 2025 – Present

- Handling security products such as ManageEngine for patching, Airlock for application and path allowlisting, and Microsoft Defender.

Network and Infrastructure Engineer | February 2021 – February 2025

- **Star Performer of the Year (2023)**
- Managed and maintained a diverse range of network equipment, including Zscaler, Cisco Meraki, and Fortinet Fortigate firewalls, ensuring optimal network performance and security.
- Architected and managed comprehensive network security solutions utilizing Azure Network Security Groups, Azure Firewall, Azure Load Balancers, and integrated third-party security tools to safeguard sensitive data and critical applications.
- Implemented and managed DNS, servers, and Entra ID with Conditional Access policies to enhance security.
- Engineered and deployed a Zero Trust Network Access (ZTNA) solution for RDP environments using Azure App Proxy and NPS extension, enhancing remote access security.
- Managed the lifecycle of SSL certificates for various services.
- Gained hands-on experience with AWS services, including Route 53 for DNS management, S3 for object storage, and CloudFront for content delivery.

- Spearheaded the end-to-end design, implementation, and ongoing maintenance of Azure cloud infrastructure across multiple high-profile projects, consistently ensuring high availability, scalability, and robust security postures.
- Pioneered the development and meticulous maintenance of Terraform modules (Infrastructure as Code - IaC), significantly automating the deployment and configuration of Azure resources, which resulted in a remarkable 40% reduction in deployment time and minimized configuration errors.
- Diagnosed and resolved complex network and application issues within Azure environments, collaborating closely with development and operations teams to identify root causes and implement effective solutions.
- Implemented advanced monitoring and alerting solutions using Azure Monitor and Log Analytics, enabling proactive identification and resolution of performance issues and potential outages.
- Actively participated in incident management and problem management processes, ensuring rapid resolution of issues and implementing preventative measures to minimize recurrence.
- Collaborated extensively with project teams to facilitate seamless migration of on-premises workloads to Azure, providing critical technical guidance and support throughout the transition.
- Authored comprehensive documentation for cloud infrastructure designs, configurations, and operational procedures, fostering knowledge sharing and ensuring long-term maintainability.
- Provided timely resolution for escalated issues to both Business As Usual (BAU) and project teams, ensuring minimal disruption to operations.
- Successfully executed the migration of on-premise infrastructure to Azure leveraging Azure Migrate and other specialized migration tools, ensuring business continuity.
- Developed and maintained robust CI/CD pipelines using Azure DevOps, significantly streamlining automated application deployments.
- Implemented strategic cost optimization strategies that reduced Azure spending by 15% while simultaneously maintaining high performance and reliability.
- Planned and executed implementation of critical network enhancements and upgrades, improving overall network efficiency and resilience.
- Collaborated with disaster planning teams to monitor network backup and recovery processes, ensuring business continuity and data integrity.
- Ensured rigorous application of information security policies, principles, and practices for continuous delivery of secure network services.

Wanforce Technologies

Cloud Engineer and Network Engineer | December 2017 – December 2018

- Provided comprehensive support and implemented infrastructure solutions across both Azure and AWS environments.
- Deployed and configured essential virtual machines, storage accounts, and networking resources in Azure and AWS, contributing to robust cloud infrastructure.
- Assisted in the development and implementation of security policies and procedures, ensuring compliance with industry best practices.
- Participated in on-call rotations, providing 24x7 support for critical cloud infrastructure.
- Utilized Terraform for efficient infrastructure deployments and management across both Azure.
- Contributed to the comprehensive documentation of cloud infrastructure and operational procedures.
- Reduced server downtime by proactively monitoring cloud resources and addressing potential issues before they escalated.
- Utilized metrics to monitor application and infrastructure performance, identifying areas for optimization.
- Assisted in migration projects from on-premises data centers to cloud environments, ensuring minimal disruption to business operations.
- Provided technical support to internal stakeholders, diagnosing and resolving complex issues related to the organization's cloud environment.
- Enhanced cloud infrastructure efficiency by implementing advanced automation techniques and tools.

Skills

- **Cloud Platforms:** Microsoft Azure, Amazon Web Services (AWS)
- **Networking:** Firewalls (Fortigate, Zscaler, Sonicwall), Cisco Meraki, BGP, Network Security Groups, Azure Firewall, Azure Load Balancer, Cisco ASA, ZTNA
- **Security:** ManageEngine, Airlock, Microsoft Defender
- **Identity and Access Management:** Entra ID, Conditional Access
- **Automation & Orchestration:** Terraform (IaC), Azure DevOps, CI/CD Pipelines, Github actions.
- **Operating Systems:** Linux, Windows
- **Other:** DNS, SSL Certificates, Time Management, Multitasking, Self-motivation, Network Documentation Development, Attention to Detail, Incident Management, Problem Management, Cost Optimization, Disaster Recovery Planning

Certifications

- Microsoft Certified: Azure Database Administrator Associate
- Zscaler Zero Trust Cyber Associate
- HashiCorp Certified: Terraform Associate (003)

- Fortinet Certified Associate Cybersecurity
- Fortinet FortiGate 7.4 Operator
- Configure SIEM security operations using Microsoft Sentinel
- Configure secure access to your workloads using Azure networking
- Deploy and configure Azure Monitor
- Secure Azure services and workloads with Microsoft Defender for Cloud regulatory compliance controls
- Secure storage for Azure Files and Azure Blob Storage
- Cisco Meraki Solutions Specialist
- AZ-305: Designing Microsoft Azure Infrastructure Solutions
- AZ-800: Administering Windows Server Hybrid Core Infrastructure
- Microsoft Certified: Security, Compliance, and Identity Fundamentals
- Microsoft Security Cloud Week Technical—Participant
- Certified Meraki Networking Associate (CMNA)
- Microsoft Certified: Azure Fundamentals
- Palo Alto Networks Certified Network Security Engineer (PCNSE)
- Cisco Certified Networking Professional -Enterprise
- Cisco Certified Specialist - Enterprise Advanced Infrastructure Implementation
- Cisco Certified Specialist - Enterprise Core
- Cisco certified network associate
- Microsoft Certified: Azure Virtual Desktop Specialty
- Microsoft Certified: Cybersecurity Architect Expert
- Microsoft Certified: Azure Network Engineer Associate
- Microsoft Certified: Azure Security Engineer Associate
- Microsoft Certified: Azure Solutions Architect Expert
- Palo Alto Networks Certified Network Security Engineer
- Microsoft Certified: Azure Administrator Associate

Education

La Trobe University | Melbourne

Masters in Information Technology | July 2020

Awarded the Golden Key International Honor Award (top 15% of academic achievers).
WAM Score: 83 (Distinction Average).