

NANDA KISHORE PASUPULETI

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PROFILE

Dynamic Cloud & Security Architect with over 9 years of experience transforming IT infrastructure through secure and scalable cloud solutions! Specializing in Azure Sentinel and Microsoft Defender, I enhance threat detection and strengthen security protocols. I excel in designing compliant Azure infrastructures and executing cost-effective cloud migrations that boost operational efficiency. As an inspiring leader, I empower teams to innovate while aligning technology strategies with business goals for exceptional performance and security!

PROFESSIONAL EXPERIENCE

Cloud Solution Architect - IT Manager, TSS India Services Pvt Ltd, Hyderabad January 2025 — Present

- Architected and delivered secure, scalable, and cost-effective cloud infrastructure solutions on Microsoft Azure, driving enterprise cloud transformation and aligning technology strategy with business goals.
- Designed and implemented secure, scalable, and cost-effective cloud infrastructure on Microsoft Azure, supporting enterprise cloud adoption, modernization, and IT transformation initiatives.
- Administered Microsoft Azure Sentinel for centralized SIEM operations, configuring custom KQL queries, detection rules, and alert response mechanisms to support threat detection and incident response.
- Deployed and managed SOAR automation via Sentinel playbooks to streamline remediation processes, improving operational response times by 40%.
- Led administration of Sophos Central and Stellar Cyber for advanced endpoint protection, NDR, and unified threat intelligence across hybrid environments.
- Configured and administered FortiGate firewalls, including policy creation, intrusion prevention (IPS), web filtering, SSL inspection, NAT, and high-availability (HA) setups to enforce perimeter security.
- Managed VPN infrastructure, including site-to-site VPNs, remote access VPNs (IPSec/SSL), and integration with Azure Virtual Network Gateways for secure, encrypted connectivity between cloud and on-premises networks.
- Designed and maintained secure Azure network architectures, including VNets, subnets, NSGs, UDRs, application gateways, firewalls, and private endpoints, ensuring segmentation and least-privilege access.
- Defined and enforced enterprise security programs aligned with CISM principles, including risk assessment, compliance enforcement (ISO 27001, NIST, CIS), and access governance.
- Led and mentored a team of cloud engineers, network administrators, and security analysts, promoting continuous learning, performance excellence, and cross-functional collaboration.
- Built and integrated CI/CD pipelines using Terraform, ARM templates, Azure DevOps, and embedding security controls into deployment workflows (DevSecOps).
- Oversaw enterprise-wide cloud migrations, hybrid cloud strategies, and legacy system modernization, improving uptime and scalability while reducing infrastructure costs by 30%.
- Administered ManageEngine ServiceDesk Plus, overseeing service desk operations, workflow automation, incident lifecycle management, and ITSM best practices.
- Monitored infrastructure health and performance using Azure Monitor, Log Analytics, and third-party observability tools to ensure high availability (99.9%+) and rapid issue resolution.
- Managed IT budgets and vendor relationships, optimized licensing agreements, and led procurement and lifecycle management of network and security infrastructure.
- Collaborated with executive stakeholders to develop strategic IT roadmaps, security initiatives, and cloud governance frameworks that align with business objectives and compliance requirements.
- Mentored and led a multidisciplinary IT team, fostering technical growth and accountability across infrastructure, security, and cloud development functions.
- Facilitated regular knowledge sharing sessions, cross-training initiatives, and performance reviews to strengthen technical capabilities and align individual growth with organizational objectives.

Assistant Consultant - Technical Architect, TCS Pvt Ltd, Hyderabad August 2024 — January 2025

- Architected scalable, secure Azure cloud solutions aligned with business objectives; created detailed design documentation and led cross-functional collaboration.
- Delivered cloud-native applications using Azure App Services, Functions, and microservices for improved performance and agility.
- Implemented Azure AD-based IAM with RBAC and Conditional Access; strengthened access controls and identity protection.

- Integrated Azure Security Center and Sentinel for 24/7 threat detection, SOAR automation, and regulatory compliance.
- Enforced governance with Azure Policy, Blueprints, and cost controls via Azure Cost Management.
- Optimized resource performance and spend using Azure Monitor, Application Insights, and Log Analytics.
- Led DR and backup strategy with Azure Site Recovery, Azure Backup, and Veeam to ensure business continuity.
- Streamlined CI/CD with Azure DevOps and GitHub Actions; enabled secure, automated deployments.
- Administered CrowdStrike and Tanium for endpoint protection and patch compliance.
- Produced actionable dashboards and reports with Datadog and Azure analytics tools.
- Created and maintained technical documentation and cloud standards.
- Mentored teams on Azure best practices, fostering continuous learning and operational excellence.

Azure Engineer, Coretek Services India Pvt Ltd., Hyderabad

May 2024 — July 2024

- Designed and deployed secure, scalable Azure infrastructure aligned with NIST, ISO 27001, and CIS standards.
- Automated Azure resource provisioning using Terraform, ARM templates, and Azure CLI.
- Managed networking (VNETs, VPNs, NSGs) and enforced cloud security best practices.
- Implemented Azure AD with RBAC, conditional access, and Identity Protection.
- Integrated Microsoft Defender for Cloud, Azure Security Center, and Azure Sentinel for threat detection and response.
- Secured secrets and keys with Azure Key Vault to ensure data protection compliance.
- Monitored performance and costs using Azure Monitor, Log Analytics, and Cost Management.
- Built DR and backup strategies with Azure Site Recovery and Azure Backup.
- Maintained ITIL-aligned documentation and mentored junior engineers.
- Resolved infrastructure issues via root cause analysis and incident response.

Senior Network and System Administrator, GBG Services India Pvt Ltd, Hyderabad

November 2021 — April 2024

- Designed and implemented Microsoft security stack: Azure Sentinel, Microsoft Defender (Endpoint, Identity, 365), Intune, and Azure Security Center.
- Configured Azure Sentinel for threat detection, rule creation, tool integration, and automated incident response.
- Enforced security with MFA, PIM, SSO, passwordless authentication, DLP, and encryption across Azure and M365.
- Integrated and protected SaaS apps (Salesforce, Workday) using Microsoft Cloud App Security.
- Managed Endpoint Protection ATP, EXO ATP, email security policies, and post-breach defense strategies.
- Automated security monitoring with PowerShell/CLI, led incident response using threat intel and SIEM tools.
- Provided documentation, training, and technical onboarding for Azure/O365 tenants.
- Provisioned and managed Azure VMs, storage, networking, VNETs, NSGs, VPNs, and hybrid environments.
- Implemented RBAC, Azure AD, MFA, Azure Monitor, Azure Backup, ASR, and Azure Cost Management.
- Automated infrastructure using ARM templates, Terraform, PowerShell, and Azure CLI.
- Executed cloud migrations, integrated on-premises AD, and enforced compliance using Azure Policy and CIS benchmarks.
- Microsoft 365 Administration
- Managed Exchange Online, SharePoint, OneDrive, Teams, and enforced Conditional Access and DLP.
- Handled licensing, subscriptions, security policies, and mobile device management (MDM/Intune).
- Led tenant migrations, implemented retention, eDiscovery, and ensured regulatory compliance.
- Designed and maintained AD, DNS, DHCP, group policies, and identity federation via AD FS and AD CS.
- Ensured secure authentication (Kerberos, LDAP), monitored replication, and resolved domain/auth issues.
- Enforced password policies, logging, and compliance standards; led AD upgrades and migrations.

Engineer, Gavs Technologies Pvt.Ltd, Hyderabad

May 2021 — October 2021

- Performed proactive and reactive monitoring of infrastructure and security systems to ensure optimal uptime and threat visibility.
- Conducted first-line incident troubleshooting and collaborated on root cause analysis and long-term resolution.
- Correlated incidents to known problems and supported identification of new issues in collaboration with problem analysts.
- Configured and managed Azure Sentinel, developing detection rules, integrating tools, automating response, and maintaining SIEM configurations.
- Analyzed security events, led incident response efforts, and enhanced security posture using threat intelligence and best practices.
- Automated monitoring and response tasks with custom scripts and ensured compliance through regular assessments and documentation.
- Supported change management, patch deployment, and production environment updates.
- Provided availability, performance, and capacity metrics for systems and services.
- Executed system maintenance, backup, restoration, and disaster recovery activities.
- Installed and configured infrastructure platforms; proficient in ITSM, DR, and monitoring tools.
- Applied incident models and diagnostic tools in daily operations to support rapid issue resolution.

Multitask Operator (MTO), GA Digital Web World, Hyderabad

December 2020 — May 2021

- Experienced in managing LAN/WAN, internet, and intranet systems, ensuring secure and stable network operations. Proficient in Microsoft Windows OS deployment, maintenance, and support, with hands-on expertise in managing Office 365 messaging environments and Exchange queries. Skilled in implementing and configuring secure VPN solutions and conducting regular performance audits to optimize system efficiency. Adept at user account administration, including password, group, and privilege management. Conducts system analysis to enhance utilization and capacity planning. Provides tier-2 Help Desk support, drives IT initiatives with strategic leadership, and ensures alignment with compliance standards through regular audits and reporting.

Multitask Operator (MTO), Updater Services Pvt. Ltd. (UDS), Hyderabad August 2017 — November 2020

- OS Management: Expert in Windows OS installation and troubleshooting.
- Printer Configuration: Configured local and network printers.
- Email and Office Apps: Configured MS Outlook, Office 365; Installed McAfee.
- Asset Management: Managed assets, coordinated with vendors.
- Application Support: Installed 3rd party apps; Supported UIDAI applications.
- Network Troubleshooting: Addressed first-level connectivity issues.
- User Management and Support: Managed accounts; Provided remote support.
- Quality Check and Monitoring: Conducted checks through UIDAI portals; Monitored DMS.
- Enrollment and Authentication: Provided services for disabled residents; Addressed public grievances.
- Biometric Devices Support: Worked on biometric devices; Installed client support devices.
- Monitoring and Reporting: Monitored Admin, QC portals; Provided reports.

Multitask Operator (MTO), GA Digital Web World, Hyderabad

April 2017 — July 2017

- Grievance Handling: Escalated issues from the Grievance Handling Cell to the technical support team.
- Tech-Support Collaboration: Actively coordinated with Tech-support for successful resolutions of grievance-related issues.
- Quality Check: Conducted Quality Checks through UIDAI QC portals.
- Field Support: Traveled to remote areas for on-site grievance issue resolution.
- Monitoring and Supervision: Monitored and supervised Document Management System per ROHyd

EDUCATION

B. Tech (CSE),

June 2013 — May 2016

JB Institute of Engineering and Technology, Hyderabad

TECHNICAL SKILLS

Leadership Skills	Cloud & Infrastructure	IT Team Leadership	IT Infrastructure
Microsoft Technologies	Windows Operating Systems	Server Administration	Security Management Tools
Network Administration	Firewall Management	Collaboration	Communication
Vendor Management	Budget Management	IT Support Services	Security & Compliance
Monitoring & Optimization	DevOps & Automation		

TECHNICAL TOOLS

Microsoft Azure

- Azure Active Directory (Azure AD)
- Azure Site Recovery
- Azure Backup
- Azure Virtual Network (VNet)
- Azure Monitor
- Azure Log Analytics
- Azure Cost Management
- Azure Policy
- Azure Blueprints
- Azure Sentinel (SIEM/SOAR)

Security Tools

- CrowdStrike (Endpoint Protection)
- Tanium (Patch Management)
- FortiGate (Firewall Administration)
- Sophos Central (Endpoint Protection)
- Stellar Cyber (Security Operations Platform)
- Microsoft Defender (Endpoint Protection)

Monitoring & Analytics Tools

- Datadog (Cloud Monitoring)
- Azure Monitor (Monitoring and Alerts)
- Log Analytics (Azure)

- Veeam Backup (Backup & Recovery)
- Azure Security Center (Security Posture Management)

DevOps & Automation Tools

- Azure DevOps (CI/CD, Pipelines)
- Terraform (Infrastructure as Code)
- ARM Templates (Automation)

Cloud Cost Management

- Azure Cost Management
- CloudHealth (Cloud Cost Management)

Collaboration & Documentation Tools

- Confluence (Documentation and Knowledge Sharing)
- Jira (Project Management, Issue Tracking)
- Microsoft Teams (Collaboration)

COURSES

Microsoft Certified: Azure Solutions Architect Expert AZ-305

Microsoft Certified: Azure Administrator Associate AZ-104

Microsoft Certified: Azure Virtual Desktop Specialty AZ-140

CISCO: CCNA Certification

ADDITIONAL INFORMATION

- **Languages:** English, Telugu, Hindi
- **Links:** LinkedIn