

JEEVAN BOBBA

SENIOR SYSTEMS ENGINEER | CLOUD & VIRTUALIZATION ARCHITECT

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PROFESSIONAL SUMMARY

Accomplished, results-oriented Senior Systems Engineer and Infrastructure Architect with over 18 years of progressive experience designing, deploying, and managing enterprise-grade virtualization platforms, hybrid cloud ecosystems, and robust Windows Server architectures. Distinguished background in modernizing large-scale IT environments for global banking, healthcare, and enterprise software leaders. Recognized technical authority in hyperconverged infrastructure (SCALE Computing HCI, VMware vSAN), hybrid cloud migration, and automated systems lifecycle operations.

Extensive subject matter expertise in mission-critical backup architecture utilizing Microsoft Azure Backup Server (MABS) and Azure Recovery Services Vault, ensuring continuous business continuity, high-availability data protection, and flawless disaster recovery drills. Proven success executing seamless, zero-downtime Windows Server OS modernization (2012 R2 to 2019/2022) and multi-terabyte enterprise content migrations leveraging ShareGate, Microsoft Teams, and OneDrive for Business. Highly proficient in reducing manual administrative effort by 40% through PowerShell and PowerCLI automation, enforcing Active Directory governance with ManageEngine suites, and managing complex hybrid virtual desktops (VDI).

TECHNICAL COMPETENCIES & CORE EXPERTISE

- **Cloud & Hybrid Architecture:** Microsoft Azure (IaaS, PaaS, SaaS, Azure Virtual Desktop / AVD, Azure Backup / MABS, Entra ID / AAD Connect, ExpressRoute, NSGs, Recovery Services Vault), Amazon Web Services (AWS EC2, S3, RDS, IAM, VPC, Route 53), Microsoft 365 Hybrid Solutions.
- **Virtualization & VDI Platforms:** VMware vSphere 8.x / 7.x / 6.x (vCenter, ESXi, DRS, HA, DPM, vMotion, Storage vMotion, Distributed Virtual Switch / vDS), VMware Horizon 8.x / 7.x (Instant Clones, App Volumes, Dynamic Environment Manager), Citrix DaaS / XenApp / XenDesktop, vSAN 8.x/7.x, vCloud Director 10.x, Proxmox VE.
- **Enterprise Operating Systems:** Microsoft Windows Server 2022, 2019, 2016, 2012 R2, 2008 R2, 2003; Linux (Red Hat Enterprise Linux 9.x/8.x, Ubuntu 24.04/22.04 LTS); Enterprise Windows 11/10/7.
- **Hyperconverged & Enterprise Hardware:** SCALE Computing HCI (HC3), Cisco UCS B-Series Blade Servers, Dell PowerEdge R760/R740/R640, HPE ProLiant Gen11/Gen10/Gen9, IBM BladeCenter, SAN/NAS Storage, iSCSI, Fibre Channel fabrics.
- **Automation, Scripting & DevOps:** PowerShell 7.x/5.1 scripting, VMware PowerCLI 13.x, Python 3.12, Task Scheduler orchestration, automated patch pipelines, REST APIs, JSON/XML parsing, Batch scripting.
- **Directory Services & IAM Governance:** Active Directory Domain Services (AD DS), Group Policy Objects (GPO), DNS, DHCP, Role-Based Access Control (RBAC), Kerberos/NTLM authentication, ManageEngine ADManager Plus 7.x, ADAudit Plus 7.x, ADSelfService Plus 6.x, Single Sign-On (SSO) integration.
- **Data Migration & Disaster Recovery:** ShareGate Desktop Migration Suite, Microsoft Azure Backup Server (MABS), Microsoft Data Protection Manager (DPM), P2V / V2V migrations, Veeam Backup & Replication, Exchange-to-Exchange Online/M365 hybrid migrations.
- **Monitoring, Auditing & ITSM Frameworks:** SolarWinds Orion Platform 2024.x, Microsoft System Center Operations Manager (SCOM 2022), Splunk Enterprise 9.x, ManageEngine ServiceDesk Plus 14.x, ManageEngine Endpoint Central 10.x, SCCM / MECM 2309, HCL BigFix 10.x, BMC Remedy 21.x, ITIL v3/v4 methodologies.

PROFESSIONAL EXPERIENCE

Senior Systems Engineer / Cloud & Virtualization Architect

March 2016 – Present

Syscons Corporation

- **Enterprise Systems Architecture & Operations:** Architect, deploy, configure, and administer high-availability VMware vSphere 8.0/7.0 and VMware Horizon 8.12 virtual desktop infrastructure (VDI) environments catering to 10,000+ distributed enterprise users, ensuring 99.99% system availability and optimal compute utilization.
- **Enterprise Backup & Disaster Recovery (MABS):** Spearhead the design, implementation, and daily management of Microsoft Azure Backup Server (MABS) integrated with Azure Recovery Services Vault across heterogeneous on-premises and hybrid cloud environments; formulate automated backup schedules protecting mission-critical SQL Server clusters, clustered file systems, and production virtual machines.
- **Backup Verification & SLA Optimization:** Maintain an exceptional 99.5% backup success rate across all critical workloads through rigorous troubleshooting of VSS writers, agent communication, and replication throttling; direct scheduled live restore operations and disaster recovery failover exercises, validating RTO and RPO benchmarks.
- **Enterprise Collaboration & File Server Migration:** Orchestrate complex file repository migrations from legacy on-premises Windows file servers to modern Microsoft Teams channels and SharePoint Online document libraries, modernizing unstructured data access, search capabilities, and team collaboration workflows.
- **Automated User Profile & Home Drive Modernization:** Engineer the end-to-end automated migration of 2,000+ enterprise user home drives into Microsoft OneDrive for Business using customized PowerShell orchestration scripts, Group Policy Object (GPO) folder redirection, and silent account configuration.
- **Advanced ShareGate Migration Engineering:** Utilize ShareGate Migration Suite to execute comprehensive pre-migration analysis, identifying and remediating legacy file path-length violations, invalid syntax characters, unmapped security principals, and orphaned permissions prior to staging data into cloud repositories.
- **Post-Migration Audit & Permission Integrity:** Generate exhaustive post-migration audit reports and metadata validation logs using ShareGate, ensuring 100% data fidelity, zero content loss, and seamless transition of inherited ACLs and NTFS permissions across departments.
- **Operating System Lifecycle & Modernization:** Coordinate and execute zero-downtime in-place upgrades and bare-metal migrations of Windows Server environments, modernizing aging Windows Server 2012 R2 infrastructures to Windows Server 2019 and 2022; conduct thorough pre-flight validation and post-upgrade regression tests with application stakeholders.
- **Change Management & Stakeholder Alignment:** Author comprehensive server maintenance blueprints, rollback protocols, and communication plans, collaborating closely with database administrators and business application owners to guarantee zero unplanned downtime during critical maintenance windows.
- **Hyperconverged Infrastructure (HCI) Implementation:** Deploy and administer SCALE Computing Hyperconverged Infrastructure (HCI) clusters, consolidating disparate server and storage resources, reducing physical data center footprint by 25%, and improving compute efficiency.
- **Cloud Infrastructure & Azure Virtual Desktop (AVD):** Architect secure Microsoft Azure cloud environments featuring Azure Virtual Desktop (AVD), Azure IaaS compute, Virtual Networks, Network Security Groups (NSGs), and hybrid connectivity back to on-premises systems via site-to-site VPNs and ExpressRoute.
- **Active Directory Lifecycle Governance:** Oversee enterprise Active Directory administration utilizing ManageEngine ADManager Plus 7.x, automating user provisioning/deprovisioning lifecycles, bulk attribute modifications, and strict Role-Based Access Control (RBAC) enforcement.

- **Continuous Security Auditing & Compliance:** Enforce security baselines and compliance monitoring with ManageEngine ADAudit Plus 7.x, tracking privileged account activities, monitoring GPO changes, and isolating security vulnerabilities in real time.
- **Self-Service Password Management:** Deploy and administer ManageEngine ADSelfService Plus 6.x across the organization, enabling automated password resets and account unlocking, reducing password-related Tier-1 helpdesk volume by 45%.
- **PowerShell & PowerCLI Automation Frameworks:** Develop, maintain, and execute advanced PowerShell 7.x and VMware PowerCLI 13.x scripts to automate VM template deployment, guest customization, snapshot hygiene, storage reclamation, and OS patching, decreasing administrative overhead by 40%.
- **Virtual Desktop Optimization & Instant Clones:** Manage hybrid VDI environments combining VMware Horizon Instant Clones and Citrix DaaS, streamlining master golden image management, dynamic application delivery, and user persona virtualization.
- **Proactive Performance & Monitoring Operations:** Oversee continuous 24/7 infrastructure health and performance across 5,000+ physical and virtual nodes utilizing SolarWinds Orion 2024.x, SCOM 2022, and Splunk Enterprise 9.x, decreasing mean-time-to-resolution (MTTR) by 30%.
- **Network Collaboration & Firewall Security:** Interface regularly with network and security engineering teams to analyze packet flows, remediate network latency, configure virtual switches (vDS), and define firewall access rules necessary for multi-tier application deployments.
- **Technical Documentation & Mentorship:** Produce standard operating procedures (SOPs), architectural diagrams, and comprehensive knowledge base articles; mentor junior systems administrators on modern virtualization, cloud technologies, and disaster recovery processes.

Primary Technical Environment: VMware vSphere 8.0/7.0, VMware Horizon 8.12, Windows Server 2022/2019/2016, Microsoft Azure, Office 365, MABS, ShareGate, SCALE Computing HCI, ManageEngine Suite (ServiceDesk Plus 14.x, ADManager 7.x, ADAudit 7.x, ADSelfService 6.x), PowerShell 7.x, PowerCLI 13.x, SolarWinds Orion 2024.x, SCOM 2022, Splunk 9.x, BMC Remedy 21.x.

Senior Systems Engineer (Client Engagement)

November 2016 – February 2017

CVS Health (via Syscons Corporation)

- **Windows 2003 Remediation & Hardening:** Spearheaded enterprise-wide remediation of end-of-life Windows Server 2003 systems, executing non-disruptive upgrades to Windows Server 2012 R2 and re-architecting virtual workloads onto SCALE Computing HCI.
- **Automated Endpoint Central Patch Management:** Configured and managed ManageEngine Endpoint Central 10.x to orchestrate automated security patch deployment and vulnerability remediation across thousands of endpoints, achieving a 100% regulatory compliance rating.
- **VDI Deployment & Application Delivery:** Engineered VMware Horizon 8.x virtual desktop pools to provide secure, remote application access for clinical, operational, and corporate personnel across distributed regional hubs.
- **Active Directory Policy & Permission Enforcement:** Administered Active Directory environments utilizing ManageEngine ADManager, enforcing granular Group Policy Objects (GPOs), auditing permission sprawl, and maintaining rigorous access governance.
- **Proactive Health Monitoring & Backup Auditing:** Monitored server health and storage thresholds using Microsoft SCOM 2022 and ManageEngine ServiceDesk Plus 14.x, validating nightly backup jobs to safeguard pharmaceutical and patient healthcare operations.

Engagement Environment: VMware vSphere ESXi 6.7/6.0, VMware Horizon 8.x, Windows Server 2012 R2/2008 R2, SCALE Computing HCI, ManageEngine Suite 14.x/7.x, SCOM 2022, BMC Remedy 21.x.

Senior Systems Engineer (Client Engagement)

April 2016 – November 2016

Catholic Health Initiatives - CHI (via Syscons Corporation)

- **Mass Enterprise Messaging Migration:** Planned, staged, and executed the large-scale migration of 10,000+ Exchange Server 2003 mailboxes to Office 365 hybrid architecture, ensuring intact calendar, mailbox, and archive migrations with zero business interruption.
- **Infrastructure Modernization & P2V/V2V Migrations:** Performed extensive Physical-to-Virtual (P2V) and Virtual-to-Virtual (V2V) server migrations using VMware vSphere 8.0 and VMware Converter; retired obsolete hardware and upgraded legacy 2003 servers to Windows Server 2008/2012 R2.
- **SCALE Computing HCI Deployment:** Implemented SCALE Computing Hyperconverged Infrastructure to streamline compute, hypervisor, and distributed block storage into a unified, high-performance platform for critical clinical systems.
- **Automated Software & OS Deployment:** Streamlined monthly patching cycles and enterprise software packaging utilizing ManageEngine Endpoint Central 10.x in tandem with Microsoft SCCM 2309, reducing patch cycle deployment time by 25%.
- **Active Directory Auditing & HIPAA Compliance:** Enforced stringent healthcare IT regulatory compliance (HIPAA) through real-time directory event auditing and privileged access monitoring via ManageEngine ADManager Plus 7.x and ADAudit Plus 7.x.

Engagement Environment: VMware vSphere 6.7/6.0, VMware Horizon 8.x, Windows Server 2012 R2/2008 R2, Office 365 Hybrid, Microsoft Azure, SCALE Computing HCI, ManageEngine Endpoint Central 10.x, SCCM 2309, BMC Remedy 21.x.

Senior Systems Administrator & Team Lead

January 2011 – March 2016

Bank of America

- **Enterprise Virtualization Leadership:** Directed Tier-3 systems administration, architecture maintenance, and operational stability for a 6,000+ virtual server enterprise infrastructure utilizing VMware vSphere (7.x/6.x) and Horizon across Global Wealth and Investment Management (GWIM) platforms.
- **Patented Tool Innovation (Trade Secret #6524):** Invented, authored, and implemented the proprietary 'VMSEARCH' inventory search engine (awarded official Trade Secret #6524), empowering systems teams to instantly query, identify, and audit VM assets, disk allocations, and configuration drift across massive multi-cluster environments.
- **Enterprise Automation Framework:** Engineered sophisticated automation scripts combining PowerShell, VMware PowerCLI, and ManageEngine ADManager Plus, automating daily maintenance tasks, server provisioning, and resource reclamation, improving administrative operational efficiency by 35%.
- **JDI Automation Recognition:** Earned 4 prestigious internal JDI ('Just Do It') Awards in recognition of designing innovative automation tools that drastically minimized manual operational interventions across production banking infrastructure.
- **Enterprise Patch Management & Merger QA:** Spearheaded monthly security patching and vulnerability mitigation across 6,000+ physical and virtual servers utilizing ManageEngine Endpoint Central and BMC Remedy; orchestrated Quality Assurance (QA) compliance validations for virtual workloads during major enterprise banking mergers.
- **HCI Storage & Replication Architecture:** Implemented SCALE Computing HCI solutions to establish cost-effective disaster recovery replication, distributed virtual disks, and streamlined virtualization management across remote banking branches.
- **Active Directory Security & Compliance Auditing:** Configured and managed ManageEngine ADAudit Plus 7.x to generate continuous compliance telemetry for audit trails, logon tracking, and GPO changes; deployed ADSelfService Plus 6.x to empower end-users with secure self-service password resets.

- **Hardware Maintenance & Performance Tuning:** Managed enterprise hardware infrastructure consisting of HP ProLiant and Dell PowerEdge server blades; fine-tuned CPU/memory allocations, storage I/O controls, and network traffic shaping on VMware distributed virtual switches (vDS).

Primary Technical Environment: VMware vSphere 7.0/6.5, VMware Horizon 8.x, ESXi 7.x/6.x, Windows Server 2012 R2/2008 R2, Office 365, SCALE Computing HCI, ManageEngine Suite (ADManager Plus, ADAudit Plus, ADSelfService Plus, Endpoint Central), BMC Remedy 21.x, PowerShell, PowerCLI.

Windows Systems Administrator & Subject Matter Expert

August 2010 – January 2011

Tata Consultancy Services (Client: Microsoft)

- **Microsoft Operations Center Support:** Provided dedicated Tier-2 and Tier-3 systems engineering and operations support within the Microsoft Operation Center (MOC), resolving critical enterprise incidents across Active Directory, DNS, DHCP, and IIS 8.5 web hosting infrastructure.
- **Server Hardware & Out-of-Band Triage:** Troubleshoot enterprise blade hardware and remote lights-out boards via HP iLO and Dell DRAC, diagnosing core hardware faults, firmware revisions, and storage array controller issues.
- **Database & Service High Availability:** Monitored and maintained scheduled SQL Server jobs, database maintenance routines, and clustered resource health, ensuring maximum operational uptime for client-facing web services.
- **Engineering Training & Runbook Authoring:** Authored standard troubleshooting methodologies, technical runbooks, and escalation paths; conducted hands-on training sessions that elevated Tier-1 and Tier-2 incident resolution rates by 20%.

Technical Environment: Windows Server 2012 R2/2008 R2/2003, Active Directory, DNS, DHCP, IIS 8.5, SQL Server, HP iLO, SCOM 2022, ManageEngine Suite 7.x, BMC Remedy 21.x.

Senior Project Engineer (Windows Systems Administrator)

March 2008 – August 2010

Wipro Technologies (Client: Microsoft)

- **Hyper-Scale Platform Infrastructure Management:** Delivered 24/7 enterprise infrastructure administration and incident management supporting Microsoft Windows Live Infrastructure (WLX) and high-volume global web portals (MSN.com, Hotmail.com), maintaining 99.99% service availability across a server farm of 185,000+ servers.
- **SCOM Monitoring Pack Engineering:** Configured and tuned Microsoft SCOM 2022 management packs, event rules, and threshold alert policies to provide proactive visibility into server performance bottlenecks and service degradations.
- **Rapid Incident Containment & Recognition:** Served as primary escalation engineer during high-severity production outages; awarded the prestigious 'Thanks a Zillion' award for rapid diagnosis and mitigation of critical service-impacting incidents.
- **Enterprise Roaming Profiles & Automation:** Engineered customized automation scripts to implement roaming profile redirection and centralized account setup for 100+ specialized support engineers, standardizing desktop management and disaster recovery.

Technical Environment: Windows Server 2012 R2/2008 R2/2003, Active Directory, SCOM 2022, ManageEngine Suite 7.x, IIS, DNS, DHCP, BMC Remedy 21.x.

OSI Consulting Pvt. Ltd

- **Active Directory & Domain Infrastructure:** Installed, configured, and maintained Windows Server 2003 Active Directory domain controllers, forest architectures, organizational units (OUs), and Group Policy Objects (GPOs); administered user lifecycles using ManageEngine ADManager Plus.
- **Enterprise Messaging & Server Maintenance:** Administered on-premises Microsoft Exchange Server 2003 environments, routing groups, mailbox quotas, and database maintenance routines; configured and maintained corporate file, print, and staging application servers.
- **Security Auditing & Network Services:** Audited domain security events, logon policies, and access rights using ManageEngine ADAudit Plus; configured core TCP/IP network services including DNS zones and DHCP scopes.
- **Organizational Excellence Recognition:** Honored with 'Best Employee of the Year' (2007) and 'Best Supporting Team Member' (2008) in recognition of outstanding systems reliability, technical versatility, and peer leadership.

Technical Environment: Windows Server 2003, Microsoft Exchange 2003, Active Directory, Group Policy, DNS, DHCP, ManageEngine ADManager Plus & ADAudit Plus.

EDUCATION & PROFESSIONAL CERTIFICATIONS

Master of Computer Applications (MCA)**University of Madras, India**

- **Microsoft Certifications:** Microsoft Certified: Azure Solutions Architect Expert | Azure Administrator Associate | Microsoft Certified Systems Engineer (MCSE) | Microsoft Certified Systems Administrator (MCSA) | Microsoft Certified Professional (MCP)
- **VMware Certifications:** VMware Certified Professional – Data Center Virtualization (VCP-DCV 6) | VMware Certified Professional – Desktop (VCP-DT) | VMware Certified Associate – Data Center Virtualization (VCA-DCV) | VMware Certified Associate – Cloud (VCA-Cloud) | VMware Horizon Certified Professional | VMware vCloud Automation Center | VMware vCloud Suite
- **Storage & Cloud Architecture:** EMC Information Storage and Management (EMCISA) | Hybrid Cloud Infrastructure Specialist

HONORS, AWARDS & PATENTS

- **Proprietary Intellectual Property & Trade Secret #6524 (Bank of America, 2015):** Awarded official patent/trade secret recognition for the invention, development, and implementation of the 'VMSEARCH' tool, an automated virtualization inventory engine that dramatically improved enterprise server tracking and resource utilization.
- **Four JDI ('Just Do It') Awards for Automation Excellence (Bank of America, 2014):** Awarded four consecutive enterprise honors for developing groundbreaking PowerShell and PowerCLI automation routines that eliminated manual tasks across 6,000+ virtual servers.
- **Thanks a Zillion Award (Wipro Technologies / Microsoft, 2009):** Conferred for outstanding incident diagnosis, rapid crisis triage, and successful mitigation of high-severity production outages across Microsoft Live platform infrastructure.
- **Best Employee of the Year (OSI Consulting, 2007):** Conferred in recognition of overall operational excellence, domain controller reliability, and commitment to system availability.
- **Best Supporting Team Member Award (OSI Consulting, 2008):** Awarded for exemplary peer mentorship, cross-team collaboration, and leadership in systems maintenance.