



Lakshmikantha Reddy. K

Email ID: lakshmikanth.katam@gmail.com / lakshmikanth.katam@icloud.com

Mob: +91-9866223219

Professional Summary:

Experienced Infra Architect with over 18 years of experience in designing, implementing, and managing scalable cloud infrastructure solutions. Proven expertise in leading enterprise-level cloud transformations using VMware VCF Private Cloud, and AWS other leading IaaS platforms. Strong background in infrastructure, network architecture, security best practices, and cost optimization.

Key Skills

- Architected and delivered Private and Public Cloud solutions, including creation of High-Level Designs (HLD) and end-to-end architectural blueprints.
- Led complete deployment of the VMware Cloud Foundation (VCF) stack, including SDDC Manager, NSX, vCenter, and Aria Suite, ensuring scalable and secure cloud environments.
- Led infrastructure assessment and discovery workshops, analyzing compute, storage, network, security, and application dependencies to determine cloud / datacenter readiness.
- Developed Bill of Materials (BOM) and sizing documentation based on performance baselines, capacity utilization, growth projections, and architectural requirements.
- Defined target state architecture and migration roadmap with clear TCO/ROI justification, aligning with business, security, and operational objectives.
- Designed and executed VMware HCX migration frameworks for seamless workload mobility between On-Premises Data Centers, multi-site environments, and Public Cloud platforms.
- Ensured infrastructure readiness aligned to Secure-by-Design and compliance best practices across hybrid cloud deployments.
- Architected and implemented Disaster Recovery solutions aligned with SLA, RPO, and RTO objectives to ensure business continuity.
- Architected and led the implementation of Zero-Trust micro-segmentation across SDI and application layers using VMware NSX-T Distributed Firewall (DFW), eliminating lateral movement paths and strengthening east-west security posture.
- Hands-on experience across AWS, Azure, VMware vCloud, and Lumen Cloud, enabling hybrid and multi-cloud operating models.
- Delivered AWS IaaS solutions, including compute, networking, identity, storage, monitoring, provisioning automation, and cost optimization in managed service environments.
- Strong working knowledge of Azure core cloud services, networking, IAM, policy governance, and platform-level security controls.
- Led large-scale workload migrations from On-Premises to Private and Public Cloud, covering discovery, landing zone setup, migration execution, validation, and cutover.
- Proficient in Docker containers and Kubernetes orchestration, improving application portability and scalability.
- Experienced in multi-tenant and large-scale cloud infrastructure environments with high availability and performance requirements.
- Directed project planning, coordination, and delivery of enterprise-scale infrastructure implementation initiatives.
- Handled critical Major Incident Management (MIM) escalations, driving rapid service restoration and root-cause prevention.
- Strong networking foundation: VMware NSX, and Cisco switching & routing (CCNA level)

Professional Experience:

<u>Company Name</u>	<u>Designation</u>	<u>Duration</u>
Infosys Ltd,	Lead Consultant (Hybrid Cloud Architect)	Sept 2021 – Aug'24 in Singapore Sept 2024-Present in India
LUMEN Technologies Singapore Pte Ltd	Senior Engineer (Cloud)	March 2015 – Sept 2021
Wipro Ltd	Architect – Virtualization and Cloud	Jan'2015 – Mar'2015
CSC India Pvt Ltd	Sr Prof: Cloud Administrator	Sept'2013 – Jan'2015
IBM India Pvt Ltd	Subject Matter Expert (SME)- VMware	Aug'2011 – Sept'2013
Capgemini India Pvt Ltd	Consultant	Apr'2009 – Aug'2011
Patni Computers Systems Ltd	Sr IT Engineer	Jun'2007 – Feb'2009
Conquer Technologies Pvt Ltd	Support Lead	Nov'2003 – May'2007

Education:

- 2000-2003 Graduation B.Sc (MSCA) from Sri Krishnadevaraya University, Ananthapur, Andhra Pradesh

Professional Certifications:

- [AWS Certified Solution Architect – Professional](#)
- [AWS Certified DevOps Engineer – Professional](#)
- TOGAF 9 Certified
- [VMware Certified Professional VCP4-DCV, VCP5-DCV and VCP6-DCV](#)
- [VMware Certified Professional – Network VCP-NV](#)
- [Certified Kubernetes Administrator](#)

CAREER CONTOUR: In the order of latest to previous

Infosys Ltd Singapore: Lead Consultant (Hybrid Cloud Architect) from 27th Sept'21 – Present (Relocated to India Sept'24)

Roles & Responsibilities: APAC SDI Architecture and Solution Delivery in Global leading Automobile Company

- As a part of Datacenter transformation, understanding overall Global HLD and deliver the solution APAC regional DC and edge DCs
- Collaborate with stakeholders to align IaaS infrastructure designs to meet business and technical objectives.
- End to end Private Cloud solution through VCF Stack (SDDC, vCenter, NSX-T, and vRealize suite) on HPE Synergy hardware Solutions
- Segregation of Local DCs and Stretched DCs Workloads Solutions (vSAN Stretch and FC Metro Clusters)
- Plan and Implement Zero Trust Micro segmentation in SDI layer Infra and Application level in NSX-T DFW
- Deployed VMware HCX and set guidelines for workload Migrations
- Gather Application specifics requirements prior to start deploying the Servers and execute them by Build Team
- Load balancer setup in NSX, and AVI Load balancer
- Manage the Build Team and distribute the Tasks
- Make sure SDI infrastructure met with HLD requirement and process security approvals
- Collaborate with Public Cloud teams and deploy Apps in Hybrid Cloud models

LUMEN Technologies Singapore Pte Ltd: Sr. Engineer (Sr Cloud Administrator) from 30th Mar'15 – 26th Sept'21

Roles & Responsibilities: I have been part of Public, Private, and Hybrid cloud infrastructure solutions which LUMEN Technologies offers to customers.

CAM (Cloud Application Manager), LUMEN Private Cloud (CPC), and LUMEN Public Cloud (CLC), and VPDC:

LUMEN Private Cloud (CPC) is fully deployed on VMware Cloud Foundation platform (VCF SDDC), as part of it, will be providing end to end support to onboarding customer into CPC environment

- As a Professional Services, provide end-to-end support in the process of onboarding the customer
- Working closely with Sales Architecture team on customer requirements and their challenges
- Manage CPC and AWS Public Cloud Environments through CAM portal.
- Manage vOrg, vDC, and vAPP through vCloud Portal
- Configuring and Managing Network and Security through VMware NSX-V Solution
- Configuring NAT, Routing and Site to Site VPN through NSX Edge
- Setting up vSAN storage profiles based on requirement, and increase vSAN storage by adding additional hosts
- Integrate add on network solutions per client requirement like SonicWall

- Setting up HCX connection to customer On-Premises Data Center to CPC Environment
- Migrating workloads between legacy cloud infra or from customer On-Premises Data Center to Private Cloud through VMware HCX
- Troubleshoot Public cloud Compute, Network, and Process related underlying Issues
- Troubleshooting OpenVPN, and Site 2 Site VPN Issues
- In AWS, did setup an e-commerce application on AWS cloud as a POC and integrate same with CAM Tool
- Configured IAM Policies, Subnets, Security Groups, Elastic IP, Internet Gateway, Network ACL
- Analyze and Monitor Infrastructure through vROPS
- Follow the Service Management process like Incident, Change, and Problem Management
- As part of DCC Automation Support, responsible to take care of LUMEN Cloud Product DCC automation Jobs from order submission to order complete
- In process, troubleshoot issues which occur at vSphere infra side, Guest OS level (Windows/Linux), HPSA, CMDB, Network, Middleware and Storage
- Finding base level automation issues and updating to Product Engineering and Development teams
- Modify automation job scripts if required
- Maintain End-to-End [Storage-Network-Compute-Virtualization] stacks of VPDC, CDC, and DCC free from outages and ensure reliable performance and QOS to end users.
- Analysis of different kinds of provisioning failure in Cloud Environment.
- Address Customer incidents in commissioning/modifying & accessing the cloud resources and troubleshoot resource bottlenecks.

Wipro Technologies: Architect (VMware) – 28th Jan 2015 – 26th Mar'2015

Location: Hyderabad, India

Health Care sector Projects – CHI

- Datacenter consolidation to have centralized management systems
- Handling Virtualization Projects - Rolling out vRealize Suite and vCloud into the system
- Rightsizing the Virtual Infrastructure for Customer sites

CSC India Pvt Ltd, As a Professional2: System Administrator (Sr **Cloud Administrator**)- 30th Sept'13 – 27th Jan'15

CSC Cloud Solutions: Cloud Compute, BizCloud, BizCloud VPE

Platform: VMware vSphere5.x, VMware vCloud Director, vShield Manager, vBlocks (Cisco UCS), Fabric InterConnect

Roles & Responsibilities: Cloud Administrator

- Creating and Managing vOrg, and vDCs, and vApps as per new project requirement in Cloud
- Creating Routed, Direct, and Fence Network Connections in vCloud Director
- Managing NAT Network, and Firewalls Rules through vShield Manager (vShield Edges)
- Providing RightSizing recommendations for Cloud VMs and managing Capacity of Infra
- Creating UCS Service Profiles on Cisco Fabric InterConnect, and bring ESXi Servers in to Production
- Planning and Manage VCE UCS Matrix upgrades
- Helping Provisioning Team in Creating VMs in Cloud Environment
- Planning and upgrade vCloud Director and vShield Manager from 1.5.x to 5.1.4
- Planning and Migrating VMs between Cloud Environments
- Handling Remedy SEV1 Tickets related vCloud Director, UCS, and vSphere, and its RCAs preparation

IBM India Pvt Ltd; Technical Subject Matter Expert – VMware from 16th Aug'11 – 27th Sept'13

Client: State Street Corporation (SSC); USA

Platform: VMware vSphere4.x, VMware vSphere5.1 (Under Testing Stage) and Windows 2003/2008 server

Project Role: VMware SME

State Street (SSC) has three Business Units (Bus) which are GIS, SSgA, and AIS. In Initial phase, have involved in KT Phase and lead transition phase of Wintel Department, and later managed a large Virtualization Infrastructure with the help of 4-member team across all regions. SSC has more than 1000 ESX Hosts, and 30 plus Virtual Center to manage all regions, and more than 12000 Virtual Machines, which includes PROD, DR, UAT, and DEV environment.

As a part of VMware SME, includes below roles and responsibilities

- Handling SEV1, High Priority tickets (if required will engage VMware support team to get solution)
- Interact closely with SSC Core team for Infrastructure related changes
- Develop best practices and implement New ESX/ESXi Builds for new Projects
- Helping L2/L3 level team members with technical and process side
- Suggest best practices to Windows L1/L2 team to resolve the Issue of Virtual Machines related

- Handled Migration Projects Such as P2V, V2V, and Storage Migrations (which includes from following up with Customer to get approval to handover the server)
- Creating RCA, and Build SOP/Checklist documents which includes Network and Storage part as well
- Participating in DR Activities
- Handling Hardware issues of HP Rack, Blade, and Blade Chassis
- Providing best practices on handling Performance issues
- Observe Resources utilization of Cluster from VCOPS tool, and reports which are generated by Performance and capacity Management team
- Process side: Review and Approve Infrastructure Change Requests which are submitted through Remedy, and ClearQuest Tools

Capgemini India Pvt Ltd; As Consultant from 15th Apr'09 – 12th Aug'11

Project: Hosting Datacenter (Infrastructure Shared Services)

Clients: Loblaw hosting (Infrastructure Shared Services), Ashcroft Inc, WIMC, & Hello Wallet

Platform: VMware vSphere4.x, and Windows 2003/2008 server

As part of Data Center administrator in remote mode the job includes following Activities

- Managing HP Proliant, and Blade Servers
- Managing ESX servers and Virtual Machines using Virtual Center server
- Converting Physical system to Virtual Machines(P2V)
- Configuring Virtual Network, and Storage
- Deploying Virtual Machines and installing Guest OS
- Creating, and deploying Virtual Machine Clones and Templates
- Managing DRS, & HA Cluster
- Performance monitoring of Virtual Machines, & ESX servers
- Handling Sev1, Sev2 support issues of all Prod & Non-Prod servers related to ESX and Windows Servers

Patni Computer Systems Ltd, Bangalore; From June 2007 to Feb'2009 (From 7th June'07 to 6th Dec'07 on role of Softspin Service Ltd)

Client: VMware Inc, USA.

Achievements: Dream Team award for the year of 2007

Job Profile: This job involves, providing technical solutions to end users facing issues with VMware Fusion and Workstation application along with various other duties. Also worked on inhouse POC lab setup for VMware Infra Tools

Conquer Technologies, Hyderabad – From November 2003 to May 2007

Role: Customer Support Engineer/Support Team head (From Dec'06 to May'07)

Job Profile: Providing technical solutions to end users facing issues with Apple Macintosh Computers and Apple application. Managed **corporate client setups**, including Apple system deployment and network configuration. Installed and troubleshot **Apple professional applications** including Aperture, Final Cut Studio, Shake, and Logic Pro.

Personal Details:

Father's Name	: K. Nagi Reddy
Nationality	: Indian
DOB	: 05-06-1981
Marital Status	: Married
Languages Known	:Telugu, English, Hindi, and Kannada

Date:

Place:

(Lakshmikantha Reddy .K)