Madhu
Senior Cloud Security Engineer

SUMMARY

- Extensive experience around 14 years in working on On-premises, Cloud Technologies, Network Security. - Experience of 7+ years in designing cloud projects. Experience in designing enterprise public cloud solutions (Oracle OCI, Azure, AWS) experience of stakeholder management within complex organizations. - Extensive experience in implementing Cloud security using the tools CSPM, Prisma Cloud, Netskope CASB, Nessus on Multi cloud environments and security best practices. - Fluent English - Available ASAP

TECHNICAL SKILLS

Main Technical Skills	Cloud Security
.NET Platform	Azure
Cloud Platforms, Services & Computing	AWS, Azure, GCP, Oracle OCI
Azure Cloud Services	Azure VM
Deployment, CI/CD & Administration	Ansible, DevOps
QA, Test Automation, Security	Cloud Security
Logging and Monitoring	Datadog, Nagios, Prometheus
Collaboration, Task & Issue Tracking	FreshDesk
Operating Systems	Linux, macOS, Windows
Web/App Servers, Middleware	Oracle WebLogic Application Server
Virtualization, Containers and Orchestration	Terraform, VmWare
Other Technical Skills	& BMC Remedy, CASB, Cisco ASA, Cloud Native tools, DB to Oracle OCI, DELL, Dell Sonicwall, Dynatrace, EndPoint Security, Fortinet, HIPPA, HP, Netskope, Oracle VM, P2V, PaloAlto, Prisma Cloud, Proxies, Service Now, Solarwinds, Unicentre, V2V

EXPERIENCE

Senior Solutions Architect - Oracle OCI/AWS/Azure, Hitachi Consulting, Hyderabad

Dec 18' 2018 – Till date
Responsibilities:
Cloud Security Architect – Leading Bank in Vyatnam

- Designing and deploying the highly available, secure infrastructure in AWS and Azure cloud.
- Deploy and configuration of PaloAlto firewalls for traffic inspection.
- Advanced security features design and implementation in PaloAlto firewalls.
- Good hands-on AWS GuardDuty, Inspector, KMS, WAF and Security Hub services.
- Deploy and configuration of Barracuda WAF to inspect the web application traffic.
- Setting up internal load balancers for Web, Application, and database tiers.
- Design and Implement NetSkope CSPM and CASB solution for AWS cloud security, Compliance.
- Automated security compliance and security automation using AWS Config.
- Implement AWS config with auto remediations to intact with baseline configurations and compliance.
- Implementing security policies in both PaloAlto firewall and Barracuda WAF for the critical attacks/alerts.
- Implement the SSO using the Microsoft ADFS.
- Weekly and Monthly security reviews with customer.

Cloud Solutions Architect Advisor – Travel and Finacials customers

- Design Deploy and Manage Scalability, Reliability, Efficiency and Security on public cloud environments.
- Configuring and Managing the AWS Security Hub, Guardduty, Inspector, IAM Analyzer services.
- Deploying the environment using the Terraform. New services deployment using Terraform.
- Designing and Deploying the Zero trust environment in AWS, Azure and Oracle OCI.
- Implement Qualys Guard scans for cloud environments.
- Implementation of Azure Firewall, Key Vaults and security centre and management.
- In collaboration with Leadership team, sales and pre-sales teams, drive revenue growth across a broad set of customers.
- Implement Azure Network watcher, WAF, Application gateways.
- Experience on migrating Oracle E-Business Suite and Other workload to Oracle Cloud. Working closely with customers to plan and implement DB and Application migrations.
- Designed and Implemented Hub-Spoke architectures to meet customer connectivity and security requirements.
- Designed and Implemented Zero trust architecture using PaloAlto firewalls.
- Meet with customers to gather their business challenges and requirements.
- Define cloud network infrastructure to establish network connectivity between on premises to Cloud.
- Design and manage Identity management (IDCS) and Federation between Azure & IDCS for SSO.
- Capacity and cost management on public cloud environments.
- Experience on design and deploying of Monitoring and Log management on public cloud environments.
- Experience on setting up multi compartment architecture solutions with security best practices

Solution and Security Architect – Medical & Pharmaceutical customer

- Designing and deploying the highly available, secure infrastructure in Oracle OCI and Azure cloud.
- Designing and Deploying Hub and Spoke architectures in West Europe and East US locations.
- Configuring Hybrid connectivity between On-premises DC and Azure Cloud Environments using Express route circuits and IPsec VPN tunnels.
- Deploying and configuring Express route Gateways to extend the Extend the express route circuit across various Vnets.
- Deploying and configuring PaloAlto firewalls in Hub virtual networks with various security profiles.
- Deploying and configuring the Spoke Virtual networks and configuring peering connections.
- Setup UDRs to define the traffic path over the PaloAlto firewalls in Hub network.

Cloud Solution Architect - Oracle OCI and Azure, Netenrich Technologies Pvt Ltd

April 2018 to Dec 2018
Responsibilities:
Practice Lead- Cloud Security

- Building capabilities and various offerings around Cloud Security In AWS, Azure and OCI Cloud.
- Cloud Security Automation use cases build.
- Cloud Security best practices and Compliance's metrics for HIPPA, CIS etc
- POCs on Various Cloud security native tools and third-party tools.
- Market research on latest tools and technologies.
- IAAC template preparations for reuse.
- Building the Cloud network & security offerings with industry best practices.
- Building Use cases for Cloud network and security practice.

Learning Platform Implementation in Oracle Cloud OCI - Oracle Inc

- Designed a highly scalable, highly available architecture using Docker Enterprise Edition.
- Zero touch deployment using Terraform, end to end Platform deployment is using the Terraform code.
- Implemented the platform in Ashburn and Phoenix regions for Production and DR.
- Used Docker Containers for deploying the micro applications.
- Prepare High-Level and Low-Level Architecture Diagrams for Platform, Networking and Security.
- Prepare Naming convention document, Inventory sheets for VM and SKUs, Block Storage, Load Balancers, Networks etc.
- Overseen and help team to deploy and Product Platform using Cloud VMs (Windows and Linux), Internet Proxy, HA Proxy, NFS, Docker Enterprise Edition, Jenkins, Chef and Rethink DB.
- Manage and help operations team to Monitor the environment, troubleshooting issues, implement Bug fixes, Deploy new application stacks etc.
- Implemented backup strategies.

Cloud Infrastructure and Platform Architect

- Managing the Platform on Oracle OCI cloud, AWS and Microsoft Azure.
- Conduct meetings with developer's, Application owner's and Infrastructure teams to understand the On-Premises infrastructure and collect requirements.

- Architect the cloud infrastructure and networking for customer workload and application movement.
- Design and Implement customer VPN and Express route connectivity.
- Design and Implement Managing the customer Hybrid environment.
- Assess Hoster and Customer DC and application for Cloud readiness.
- Prepare Dependency report, Risk and mitigation plan and RACI matrix to support the transformation.
- Re-platform legacy workloads to cloud native services.
- Design and implement modern applications using Cloud native services.
- Automating the deployments as much as possible using the ARM templates, PowerShell scripts.

Senior Cloud Platform Engineer - Oracle OCI and Azure, Sysgain Inc

Jan 2017 to Aprl 2018
Responsibilities:
Migration Tools Validation – Microsoft

- Deploy and configure various Azure Cloud Migration tools.
- Run the assessments and prepare the reports.
- Run POCs to migrate workloads and Applications to Azure cloud.
- Test various database tools to migrate the database and schema and other functions to cloud.
- Prepare a overview document summarizing all tools, their Pros and Cons.

Cross Cloud Platform Migration – Oracle OCI and Azure

- Design and deploy the connectivity between Oracle OCI and Azure.
- Configured Express route configurations at Oracle Cloud environment.
- Configured connectivity between AWS and Oracle BMCS with a Juniper switch and Megaport.
- Provisioned Oracle 12c Virtual machines for Database migration between Azure and Oracle BMCS.
- Configured BGP routing and advertised routes from Azure and Oracle BMCS.
- Helped the Oracle Teams during the engagement with connectivity testing.
- End to end documentation and handover.

Cloud Tower Lead- Migrations, Networking and Security

- Building capabilities and various offerings around Oracle Cloud networking and security.
- End to end handling of the Datacenter migration to Cloud.
- Customer Datacenter VMs, applications, network and security assessment and designing the cloud environment.
- Planning and migrating the customer Data Centres to public cloud like Oracle OCI, AWS and Azure.
- Understand the industry requirements and building the Cloud network & security offerings.
- Building Use cases for Cloud network and security practice.
- Training and demo for sales team to sell our solutions and services.
- Help Sales/Marketing team with kick-off content, BDM and TDM discussion materials etc.
- Conduct Training / KTs for the Teams.

Team Lead – Cloud & Networking, Rimini Street Inc

Sep 2013 to Dec 2016
Responsibilities:

- Virtual Datacenter build outs in Azure and AWS cloud for various customers with standard architecture.
- Designing and deploying PaloAlto firewalls in Azure and AWS.
- Managing the firewalls across all data centers and remote office locations.
- Physical Datacenter Migration from Pleasanton to Las Vegas Switch3, USA.
- Design and deployment of Cloud Datacenter in AWS & Azure Cloud.
- Setup Highly Available and Hybrid Cloud solution using OpenSwan on AWS.
- Migrated the On-Premises bluecoat proxy solution to the new cloud-based solution.
- Designed the Cloud security architecture with PaloAlto firewalls, various approaches to enhance security at various stages that protects the applications hosted in cloud.
- Build S2S tunnels from OnPrem to Cloud for extending the LAN connection.
- Build Global Secure Internet Policy for Multi Cloud and Multi Regions.
- Setup of new offices in London, Lavages, Tokyo and Bangalore, UK and Israel locations.
- Managing the On-premises and cloud Infrastructure for day-to-day operations.
- Managing a team of 9 members.

Senior Network Security Engineer, Tech Mahindra

May 2008 to Sep 2013
Responsibilities:

- Planning, designing of Corporate Firewalls architecture and implementing in distributed environment.
- Designing and implementing resilient, reliable, and highly available Network topologies.
- Maintaining Corporate Firewalls & Analysis of firewall logs using various tools Firemon and Tufin security analysers.
- Designing and implementing different connectivity solutions to various customers with S2S VPN and Remote site VPN across the globe.
- Designing and testing Business Continuity Plan (BCP) and Disaster Recovery.
- Installation and Administration of various Operating server systems like Linux(RHCE), Windows Server 2000,2003,2008 and Windows server 2008R2, in Physical and Virtual (Hyper-V, VMware ESX) environments.
- Consolidating and migrating the underutilized servers to Virtual environment to reduce the number of physical servers and cost.
- Active Directory installation, Administration & Management, Creating and managing Active Directory GPOs, OS & Security Patch Deployment, Servers Security Management and User Policies.
- Effectively managing the physical and Virtual entities by improving the efficiency of time, cost and resources.
- Radius authentication management across all network devices.
- Internal and External Network security auditing.

CERTIFICATES

- Certifications & Trainings
- AWS Certified Security – Specialty
- Microsoft Certified: Azure Security Engineer Associate (AZ-500)
- Palo Alto Certified Security Engineer (PCNSE)
- Checkpoint Certified Security Administrator (CCSA)

• Oracle Cloud Infrastructure 2019 Certified Architect – Professional Level
• Oracle Cloud Infrastructure 2019 Certified Architect – Associate Level
• Oracle Cloud Infrastructure 2019 Certified Cloud Operations – Associate Level
• Oracle Autonomous Database Cloud 2019 Certified Specialist
• Microsoft Certified: Azure Administrator Associate (AZ-104)
• AWS Certified Solution Architect – Associate Level
• Redhat Certified Engineer (RHCE)
• ITIL V3 Foundation Certified

AWARDS

• Most Valuable Professional (MVP) in Rimini Street.
• Pat on Back (POB) in Tech Mahindra
• Cloud Champion Award by CTO in Tech Mahindra.