

Simran Sah Cloud Engineer

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👤 PROFILE

Cloud Engineer with 2.7 years of experience in designing, deploying, and managing cloud solutions. Proficient in cost optimization strategies, landing zone and migration projects. Dedicated to identifying customer needs and delivering effective solutions to all problems within deadlines.

📁 PROFESSIONAL EXPERIENCE

Sonata Software Limited

Cloud Engineer

06/2022 – present
Bangalore

1) Cost Optimization: (20-25% Savings):

- Right-sized Virtual Machines
- Utilized Reserved Instances (RIs) for VMs, Storage, App Services, MySQL DB, and Savings Plans as per the requirement.
- Enabled Azure Hybrid Benefit (AHUB)
- Optimized Azure Resources
- Removed unused resources like unattached disks, dissociated public IPs, NSGs etc.

2) Azure Landing Zone Implementation (2 Clients): followed Cloud Adoption Framework (CAF)

- Deployed Tags, Management Groups, Subscriptions, and Resource Groups.
- Managed IAM roles and Azure Policies to ensure secure and compliant access control across resources.
- Configured networking with Virtual Network (VNETs), Subnets, Private Endpoints, Network Security Groups (NSGs), and Application Security Groups (ASGs).
- Secured traffic with Application Gateway, Web Application Firewall (WAF), Azure Firewall and VPNs (Site-to-site(S2S), Point-to-site(P2S)).
- Configured Azure Domain Controller and joined VMs to it.
- Implemented Azure Monitor, Budget Alerts, Log Analytics, and Key Vault for monitoring and cost control.
- Implemented disaster recovery using Azure Site Recovery.

3) Region-to-Region(South to Central India)/Subscription-to-Subscription Migration:

- Executed Intel-to-AMD SKU upgrades for servers and enabled Backup for the same.
- Migrated resources include VMs, VNETs, ExpressRoute, SQL Servers, App Services/Plans, and Storage Accounts, between Cloud Solution Provider (CSP) and Enterprise Agreement (EA).

4) Created comprehensive greenfield documentation for customers, including Statement of Work (SOW), Standard Operating Procedure (SOP), Bill of Quantity (BOQ), Low-Level Diagram (LLD), and High-Level Diagram (HLD).

SKILLS

- Cloud Platforms: Microsoft Azure, AWS
- Leadership, Communication, Teamwork
- Containerization: Azure Kubernetes Services(AKS), Docker
- Cost Management: Budget Alerts, Azure Pricing Calculator.
- Programming Language: Fundamental JAVA

CERTIFICATES

- AWS Certified Cloud Practitioner Certification
- AZ-500 Microsoft Azure Security Technologies
- AZ-900 Azure Fundamentals
- AZ-305 Designing Microsoft Azure Infrastructure Solutions
- AZ-700 Designing and Implementing Microsoft Azure Networking Solution
- AZ-104 Microsoft Azure Administrator

ACHIVEMENT

- **Training and Development:** Conducted training sessions for internal teams on Docker, Kubernetes, Azure Kubernetes Service (AKS), and Azure Landing Zone, enhancing team capabilities and advancing my technical skill set and leadership abilities.
- **Recognition:** Received recognition from management and peers for exceptional contributions to team knowledge-sharing and project success.
- **Certifications:** Completed certification demonstrating a commitment to professional growth and expertise in cloud technologies.

EDUCATION

SRM Institute of Science and Technology, Kattankulathur, Chennai

B.Tech

Graduated with 8.9 CGPA in Biotechnology with specialization in Regenerative Medicine.

05/2018 – 05/2022

Chennai