DILIP KUMAR

Cloud Solution Specialist | LinkedIn | Portfolio

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New Delhi, India

Cloud Architect and Solution Specialist with extensive experience in designing, implementing, and **managing scalable cloud infrastructures across AWS** and **Azure.** Skilled in creating secure, cost-effective cloud environments, including **EC2, S3, RDS, Lambda,** and **VPCs,** with expertise in configuring **IAM, WAF,** and **Shield for robust access control** and compliance. Proven ability to lead cloud migrations, optimize resource usage, and automate processes through scripting and CloudFormation. Strong background in **Linux** and **Windows administration, server management**, and **troubleshooting**, coupled with hands-on experience in cost management and performance tuning. Known for collaborative client support and effective knowledge-sharing sessions to drive cloud adoption and best practices **across teams.** Proficient in both AWS and Azure **toolsets**, leveraging cloud-native capabilities to deliver resilient, high-performance solutions tailored to **business needs.**

Areas of Expertise

- Proficient in planning and executing **end-to-end cloud migration projects,** including workload analysis, data transfer, application re-hosting, and validation for **seamless transition** and minimal downtime.
- Experienced in creating and managing **CloudFormation** and **Terraform** templates for rapid, consistent provisioning of cloud resources, reducing manual tasks and streamlining deployments through **Bash scripting.**
- Proficient in configuring, managing, and **securing Linux** and **Windows servers**, performing patch management, user administration, and system optimization for both on-premises and cloud environments.
- Skilled in monitoring and **optimizing cloud resources** using **AWS Cost Explorer, Azure Cost Management**, and billing analytics to implement cost-saving strategies and improve resource utilization.
- Skilled in deploying **AWS CloudWatch, Azure Monitor,** and other monitoring tools for proactive performance tracking, alerting, and troubleshooting, ensuring high availability and minimal downtime.
- Strong communicator with experience in conducting technical support, knowledge-sharing sessions, and **cross-functional collaboration** to align cloud solutions with client goals, enhance user adoption, and drive **continuous improvement.**

Technical Skills

Cloud Computing
- Cloud Platforms: AWS, Azure
- Infrastructure Management: EC2, S3, RDS, Lambda, ELB, Backup
- Automation & Scripting: Bash scripts, CloudFormation
- Cloud Migration: Database Migration (AWS Migration Hub, DMS), Azure Migrate Tool
- Infrastructure Deployment: AWS CloudFormation, Azure Automation
- Monitoring Tools: AWS CloudWatch, Site 24*7, Status Cake

Security
- AWS Security Tools: WAF & Shield, GuardDuty, IAM roles & policies
- Azure Security: NSGs, IAM, Azure Security Monitoring
- High Availability: Failover Clusters, Hyper-V
- Backup and Disaster Recovery Secure Networking: VPC, Subnets, Route 53, CloudFront, Global Accelerator

Networking
- Virtual Networking: VPC, IGW, NAT Gateways, Azure VNETs, Peering, VPN, Site-to-Site, OpenVPN
- DNS Management: Route 53, System Administration (DNS), Cloudflare, GoDaddy
- Networking Equipment: Cisco Networking Equipment, Fujitsu Storage Systems
- Load Balancers: ALB, ASG, ELB
- CDN Solutions: Cloudflare, CloudFront

System Administration
- Linux Administration: Package Management (RPM, YUM), User Management, Process & Job Management (crontab)
- Windows Administration: Windows Server 2012R2, ADDS, IIS, GPO, DHCP, Hyper-V, Failover Clustering
- Storage Management: RAID-5, EBS, EFS
- Server Tools: Putty, WinSCP

Databases
- Database Administration: MySQL, SQL Server, SQL Databases
- Database Migration: DMS, AWS Migration Hub

Applications & Web Services
- Web Servers: Apache, Tomcat, Nginx, WebLogic
- Applications: WordPress, Redis-Server, LabVantage LIMS

Other Tools and Services
- Monitoring and Management: Zoho, ServiceNow
- Virtualization Platforms: VMware ESXi, VCenter, VM Horizon
- Cost Optimization Tools: AWS Cost Explorer

Migration
- Cloud Migration: AWS Migration Hub, DMS, Azure Migrate Tool
- Database Migration
- Application Migration
- Storage Migration

Professional Experience

Hanu Software (now part of Insight) - Client: Johnson & Jhonson
Cloud Solution Specialist   *Dec 2022 - Present*

Design and implement robust AWS infrastructure using services like EC2, S3, RDS, Lambda, and ELB to support scalable, secure applications. Administer Linux servers, managing updates, patching, and configuring Apache, Nginx, and MySQL for optimal performance and security. Automate workflows with Bash scripting and CloudFormation templates, streamlining deployment and maintenance tasks.

Key Achievements:
→ Conducted in-depth knowledge-sharing sessions for client teams, promoting best practices in **AWS infrastructure management** and fostering a collaborative work environment.
→ Championed automation by developing **CloudFormation templates**, leading to improved efficiency in provisioning **AWS** resources for multiple ongoing projects.

- → Successfully integrated **AWS WAF** and **Shield**, reinforcing the security framework and ensuring compliance with regulatory standards across applications.
- → Collaborated **closely with stakeholders**, ensuring client requirements were met in infrastructure migration and enhancing project outcomes through proactive communication.

LoanTap Financial Technology Pvt Ltd
Cloud Specialist   *Jan 2022 - Dec 2022*

Provided comprehensive support for AWS infrastructure, databases, and WordPress sites, handling end-to-end troubleshooting and optimization tasks. Conducted database and web server migrations from on-premises to AWS Cloud, improving scalability and reliability. Configured WAF, ALB rules, and Route53 to enhance security, availability, and network traffic control.

Key Achievements:
- → Led a successful migration of **web servers** and **databases** to **AWS**, enhancing scalability and performance while minimizing downtime.
- → Developed and implemented cost-saving strategies for **AWS**, significantly reducing operational expenses through **efficient resource utilization.**
- → Facilitated seamless collaboration by creating standardized documentation for **server configurations,** streamlining troubleshooting processes.
- → Improved system security by proactively configuring **AWS WAF** and implementing stringent rules for access control and threat mitigation.

Rapyder Cloud Solutions India Private Limited
Team Lead-Cloud Operations   *Mar 2020 - Jan 2022*

Led ITIL-compliant ticket resolution, managing AWS services, and overseeing Windows and Linux administration. Designed and executed complex cloud migrations, establishing secure environments with VPCs, subnets, and security groups. Configured load balancers, auto-scaling, and cost-optimization strategies to enhance resource management and reduce operational costs.

Key Achievements:
- → Enhanced backup and recovery protocols, safeguarding critical data and ensuring **business continuity across** various cloud environments.
- → Championed an **IAM role management** strategy, streamlining access permissions and enhancing security within cloud resources.
- → Drove initiatives to optimize cloud costs, implementing monitoring and alerting that reduced resource waste and saved on monthly expenses.

Cerebra Integrated Technology Ltd.
System Engineer   *May 2017 - Mar 2020*

Supported Microsoft Azure systems, including SQL Server, Virtual Machines, and SQL Databases, and provided hands-on configuration and troubleshooting. Performed system configuration, database migrations, and disaster recovery on Azure to enhance operational efficiency. Configured failover clusters, hypervisors, and managed domains, DHCP, Group Policy, and DNS for enterprise environments.

Key Achievements:
- → Enhanced **Azure environment performance** by implementing advanced **configurations** and **fine-tuning systems** for optimal efficiency.
- → Led disaster recovery implementations, ensuring data integrity and availability through effective backup and failover strategies.
- → Boosted network reliability by setting up failover clusters, providing seamless continuity for critical business applications.
- → Developed proactive maintenance schedules, ensuring minimal downtime and high availability for **Azure-hosted applications.**

Projects

- → **Biryani By Kilo**: Implemented AWS solutions using EC2, S3, EBS, Route 53, RDS, and Aurora, working across multiple AWS accounts. Designed, deployed, and operated highly available, scalable, and fault-tolerant systems using AWS.
- → **Navi (Financial company) Migration**: Application migration from on-premises to AWS Cloud through AWS Migration Hub service, creation of landing zones, cost estimations, discovery & assessment, configuring default parameters such as backup, monitoring, and patching, ALB, ASG, High avalibility, Guarduty etc.
- → **ServicePlus - Database Migration**: Database migration completed from Rackspace to AWS RDS using the AWS Database Migration Service (DMS) tool. Successfully optimized the costs of the existing AWS account, resulting in a savings of $1500.
- → **National Institute of Mental Health & Neuro Science (NIMHANS)**: Set up new infrastructure following AWS best practices and utilizing services such as VPC, IGW, NAT, Route 53, CloudFront, RDS & Global Accelerator. Establish a Linux environment with WordPress, PHP, Nginx, and Redis Server installed initially.
- → **Satish Dhawan Space Centre (SDSC) SHAR – ISRO (VDI PROJECT)**: Implemented VDI project with VM Exsi,VCenter, and VM Horizon for 100 clients connected to Dell Wyse Thin Clients.
- → **Indian Airforce Ministry Of Defence**: Installed and configured Windows Server 2012R2 Standard and RAID-5 on Fujitsu servers. Set up domain, Hyper-V, failover clustering, and managed racks and storage connections.

Certifications

AWS Certified SysOps Administrator – Associate | AWS Certified Solutions Architect – Associate | Microsoft Certified: Azure Network Engineer Associate | Microsoft Certified: Azure Administrator Associate | MCSA: Windows Server 2016 - Certified

EDUCATION

Annamalai University, MCA, 2022 | BCA, 2020
BSF institute of technology - Diploma in CSE | 2017