M O H A M M E D   F E R O Z E K H A N

CLOUD ARCHITECT

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CERTIFICATIONS

- AWS Solution Architect
- Microsoft Azure Solution Architect
- Microsoft Azure Administrator Associate
- Microsoft DevOps Solutions Expert
- Microsoft Certified Trainer
- GitHub Foundations Certification
- Microsoft Certified Azure Virtual Desktop Specialty
- Microsoft Certified Professional - Windows
- Microsoft Certified Professional - ConfigMgr
- ITIL Foundation v3

TECHNICAL PROJECTS

- Jenkins, Docker, ACR and Azure App Service WebApp
- Jenkins, Docker, ACR and AKS Cluster
- GitLab, AWS S3 and Static Website Hosting
- GitLab, AWS S3 and AWS EKS Cluster
- WordPress Application, Amazon EC2, RDS, Route 53, and VPC
- WordPress Application and Amazon EKS Cluster

EDUCATION

BSC ECONOMICS (FULL TIME)
Calcutta University
2000-2004

PROFESSIONAL SUMMARY

Certified Cloud Architect with extensive experience in designing, deploying, and managing scalable and secure cloud infrastructure on AWS and Azure. Proficient in cloud architecture, DevOps practices, and automation tools. Strong background in cloud security, networking, and distributed systems with a focus on optimizing performance, high availability, resilience, cost, and compliance. Passionate about leveraging cloud technologies to drive business innovation and efficiency.

TECHNICAL SKILLS

Cloud Platforms

- AWS – IAM, VPC, EC2, S3, RDS, EKS, Lambda, Route53, CloudWatch, CloudFormation.
- Azure – Virtual Machine, Blob Storage, Azure AD, VNet, Azure DevOps, AKS.

DevOps and Automation

- CI/CD Pipelines - GitLab, Jenkins.
- Configuration Management IAC - Ansible, Terraform.
- Containerization – Docker, Kubernetes, Microservices, AKS and EKS (Managed Kubernetes Services).
- Version Control – Git, GitHub, GitLab.
- PowerShell and BASH.

Networking

- VPC, Subnets, Security Groups, NACL, Load Balancing (ALB/NLB), VPN, ExpressRoute.
- DNS, NAT Gateway, Internet Gateway, CDN, Global Accelerator, Transit Gateway, WAF.

Security

- IAM, MFA, RBAC, Security Center, AWS KMS, Azure Key Vault, CloudTrail.
- Cloud Compliance & Governance with Azure Policy, AWS Config, Control Tower, Guardrails.

Operating Systems

- Windows Server and Linux Administration (Ubuntu, RedHat).
- Virtualization with VMWARE and Hyper-V.
- Windows 10 and Windows 11 Migration.
- Operating System Deployment (OSD).

PROFESSIONAL EXPERIENCE

CLOUD ARCHITECT

UBS BUSINESS SOLUTIONS INDIA | DEC 2018 - PRESENT

As a Cloud Architect at UBS Business Solutions India, I am working with a team of technical enthusiasts, responsible for engineering Cloud Services, Application Migration and DevOps solutions on Microsoft Azure. My multifaceted role encompasses Azure Cloud Architecture, DevOps Engineering, and Cloud Administration, with a focus on developing Cloud based solutions, including automated deployment of line-of-business applications leveraging GitLab CI/CD Pipelines.

- I have designed and Implemented Global Infrastructure for in-house Microservices with GitLab CI/CD, Jenkins, Ansible, Azure App Service for Containers, Application Gateway, AKS clusters and Azure Container Registry.
- I have created and maintained High-Level Documents (HLDs) and Low-Level Documents (LLDs) for Azure and AWS environments.
- I have Architected and deployed scalable, highly available, secure and cost-effective multi-tiered cloud solutions in Azure and AWS Cloud Platforms.
- I have also implemented various infrastructure as code (IAC) configuration files for provisioning infrastructure with GitLab CI / CD , Jenkins, Terraform, Ansible and Azure DevOps.
- I have Designed and implemented multiple CI/CD pipelines for automating application deployments, utilizing DevOps tools (Jenkins, GitLab CI/CD, Azure DevOps, AKS and ACR).
- I also led multiple migration projects of Web based applications and mySQL Databases from on-premise to AppService and Azure SQL Database.
- I have also actively participated in the assessment and migration of on-prem applications into containers using Docker and orchestration tools like AKS and EKS. Ensuring the scalability and reliability of containerized applications.
- I have also worked on cost saving initiatives in the Azure cloud with reserved instances, implementing Auto Shutdown for Azure VMs and Stoppage of non-production AKS clusters after non-business hours.
- I have successfully implemented various instances of Prometheus and Grafana bundle on AKS clusters as part of the observability projects for monitoring and alerting systems for proactive issue identification and centralized logging solutions for efficient troubleshooting.

- I have implemented various POCs based on AWS EC2, AWS S3, Route 53, EKS of AWS cloud as part of our multi cloud efforts.
- Implemented security best practices for cloud environments with RBAC Policies, MFA and Sign in Risks. This ensures compliance with industry standards and regulatory requirements.
- I provide technical help to the other projects teams and DevOps engineer, fostering a collaborative and innovative environment. I always Mentor team members and contribute to their skill development.

PRINCIPAL CONSULTANT

MERCEDES BENZ R&D INDIA | AUG 2016 - NOV 2018

As a Principal Consultant at Mercedes Benz R&D India, I have successfully led and executed critical projects focused on Windows OS migration and deployment, significantly enhancing the efficiency and reliability of the company's desktop client management processes.

- I have successfully executed Daimler's Global Windows 10 Operating System Deployment and Migration project using deployment tools like ConfigMgr and Microsoft Deployment Toolkit.
- I have re-engineered the entire Windows Operating System Build Solution from scratch with automated creation of Windows operating system images, integration of device drivers and application packaging for line of business applications and security updates.
- I have also served as an escalation engineer for all enterprise-wide issues relating to desktop client management, software deployments, operating system deployments, driver packaging, software distribution, software updates, client health and compliance.

TECHNICAL LEAD

AON HEWITT | SEPT 2014 - AUG 2016

While working at AON Hewitt as a Deployment Engineer, I have transformed the company's Global Windows Operating System Deployment solution, by fully automating the monthly Windows Image Creation and Deployment, thereby saving operating costs and efforts by almost 10-12%. This was a significant improvement in the Windows Deployment process which were now more efficient and reliable than ever.

- I have developed and maintained end-to-end Windows operating system deployment capabilities using SCCM and Microsoft Deployment Toolkit for deployment across the enterprise.
- I have used ConfigMgr to create and manage task sequences for automated Operating System deployments.
- Developed a fully automated solution for creating Windows reference Images as part of the automation efforts.
- Troubleshooting Operating System deployment failures and resolve issues to ensure successful installations.

TECHNICAL LEAD - SENIOR ANALYST

ACCENTURE SERVICES PVT LTD | FEB 2012 - SEPT 2014

While I was employed at Accenture, I was working as a Windows Deployment Specialist for many of their Global SCCM projects, where I was working on the Operating System Image Management, Drivers Management and Integration. My role also included Application Packaging for Line of business applications and deploying security updates. I also worked on escalations for issues regarding Operating System Deployments, Software Deployments, Driver Management and Patch Management.

- Led team of windows deployment engineers, providing support on escalation tickets for all enterprise-wide issues relating to Windows desktop client, operating system deployments and software deployments.
- As a Windows deployment specialist, I developed, managed and supported Windows operating system deployment solutions for many of the Global SCCM projects.

TECHNICAL LEAD

COGNIZANT TECHNOLOGY SOLUTIONS | DEC 2010 - FEB 2012

In my role at Cognizant, I led a team of 14 members in delivering end-user computing and application support to corporate clients, ensuring high levels of customer satisfaction and operational efficiency.

- I have managed a team of system engineers for the Remote Desktop support project, providing end-user computing and application support to the corporate client customers.
- I have dedicatedly worked on troubleshooting escalation issues with respect to line of business application deployments and providing appropriate root cause analysis and resolutions.

SYSTEM ADMINISTRATOR

WIPRO TECHNOLOGIES | JUN 2005 - NOV 2010

As a System and Deployment Engineer, I have been extensively involved in Windows deployment projects, technical support, and identity and access management, ensuring seamless operations and support for enterprise environments.

- I have worked for multiple Windows 7 deployment projects, where I had developed, managed and supported Windows operating system deployments for various enterprise clients.
- I have also contributed vastly in packaging and deploying of line of business applications across the fleets of windows desktops and workstations PCs.
- I have also been a part of the end user computing and remote desktop support projects, where I worked tirelessly on escalation service calls for windows related issues including, hardware and software failures.