Syed Mohammed Zulfiquar Y

Senior Software Engineer

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Professional Summary

Result-driven Cloud Engineer with 3+ years of experience in designing, migrating, and managing **cloud infrastructures** on **Azure** and **AWS**. **Good at** cloud migrations, **performance optimization**, and **security implementation**, leveraging tools like **Terraform**, **CloudFormation**, **Kubernetes**, and **CodePipeline**. Proficient in using **cloud-native** and **cloud-agnostic** services to streamline deployments, reduce downtime, and enhance **cost-efficiency**. Skilled in **automation**, **resource management**, and delivering solutions that meet business requirements **within deadlines** and **so as to** ensure high-quality outcomes.

Work Authorization: Eligible for the Germany Opportunity Card (GOC) (In Process), which provides a 12-month work permit; application is in progress. Upon approval, legally authorized to work in Germany—eliminating the need for employer visa sponsorship.

Education

Bachelor of Technology
Electronic & Communication Engineering from Dr. MGR Educational & Research Institute, 2021

Skills

Technical Skills
Cloud Platforms: Azure | AWS | Hybrid Infrastructure
Cloud Services: Route 53 | Azure DNS | CDN | Front Door | V-net | VPC | Azure Storage | S3 | Load Balancer | WAF | VPN | Firewall | Backup | DR | AVD
Tools & Frameworks: Terraform | CloudFormation Templates (CFT) | ARM Templates | Azure Migrate | MGN | ASR | EDR | Kubernetes | Helm | OpenTelemetry | Splunk
Automation Tools: CodePipeline | CodeBuild | CodeDeploy
Identity & Access Management: Active Directory | ADFS
Monitoring & Troubleshooting: Azure Monitor | Azure Sentinel | CloudWatch

Functional Skills: Cloud Migration | Infrastructure Design | Automation | Cloud Security | Project Management | Stakeholder Engagement | Deployment Optimization | Performance Tuning | Cost Management | Cross-functional Communication | Team Collaboration | Global Project Coordination

Work Experience

Senior Software Engineer | *Trianz***, Bang y 2024 – Present**

- **Designed and implemented la_____g CloudFormation Templates**, _____e, compliant cloud infrastructure with minimized setup times.
- Automated deployment pipelines using **CodePipeline**, **CodeBuild**, and **CodeDeploy**, resulting in a **40% reduction in deployment cycles** and significantly increased operational efficiency.
- Led **C-Migrate** platform adoption for seamless workload migration and discovery, achieving **zero downtime** during client migrations.
- Integrated **Kubernetes**, **OpenTelemetry**, and **Splunk** using **Helm** to enable **centralized logging** and real-time observability, enhancing operational efficiency and minimizing potential downtime.
- Designed and implemented a **backup and restore strategy** during Kubernetes migration, maintaining **100% data consistency** and **minimal downtime** during the transition.
- Configured **Cluster Autoscaler** for dynamic scaling, ensuring **optimal resource utilization** based on workload demands, improving **cost-efficiency** and **performance**.
- Enhanced cloud security by implementing **Azure Defender for Cloud**, resulting in a **20% increase in secure scores** and significantly reducing vulnerability exposure.

Associate Migration Engineer | *Kryptos Technology***, Chennai, India | Nov 2021 – Apr 2024**

- Modernized applications through refactoring and migration to Azure & AWS, driving improvements in infrastructure scalability and reducing maintenance overhead by 30%.
- Utilized Azure Migrate, Azure Resource Manager, and MGN for cloud migrations, completing 30+ seamless transitions across diverse customer environments.
- Designed and implemented secure Azure environments using Azure Defender for Cloud and Microsoft Sentinel, reducing security threats by 15% through proactive threat detection and automation.
- Configured Azure AD and ADFS deployments to integrate on-premises systems with cloud platforms, ensuring secure identity and access management.
- Automated infrastructure provisioning and management using ARM templates, reducing manual intervention and improving deployment consistency.
- Provided technical support and guidance to stakeholders, ensuring smooth transitions and quick troubleshooting for global clients.

- Delivered over 20 Azure landing zone deployments and subscription migrations across the APAC region, including complex scenarios with Greenfield and Brownfield environments.
- Led cross-functional teams to execute complex subscription migrations involving Pay-Go, CSP, and EA models, addressing diverse regional needs across EMEA and APAC.
- Implemented Sentinel for advanced threat detection, automating incident response workflows and ensuring compliance with internal and external regulations.
- Troubleshot network issues, optimizing firewall rules and route table configurations to ensure seamless network flow during migrations.

Key Projects

EMEA Region – Subscription Migrations and Cloud Security Enhancement

- **Objective:** Executed over 10+ Azure subscription migrations across the EMEA region, transitioning clients between Pay-Go, CSP, and EA models.
- **Tools Used:** Azure Migrate, MGN, CloudFormation Templates, Azure Defender
- **Project Complexity:** Addressed the integration complexities between custom marketplace images and VM configurations, enabling smooth migration with minimal downtime.
- **Outcome:** Successfully minimized downtime during migrations, enhancing cloud security by implementing Azure Defender, resulting in a 20% increase in secure scores and improved system resilience.

APAC Region – Azure Landing Zone Deployments and Migration

- **Objective:** Delivered 20+ Azure landing zone deployments and subscription migrations across Greenfield and Brownfield environments in the APAC region.
- **Tools Used:** Azure Migrate, Sentinel, Kubernetes, Azure Firewall, ARM Templates
- **Project Complexity:** Managed the migration of multiple subscriptions with varying infrastructure needs, resolving complex network issues such as firewall rule configurations and route table optimizations.
- **Outcome:** Delivered on time with minimal business disruption, enhancing security posture by implementing Sentinel for advanced threat detection and automating response to incidents.

Kubernetes Migration – Backup and Restore Strategy Implementation

- **Objective:** Designed and implemented a backup and restore strategy during Kubernetes migration to ensure data consistency and minimal downtime.
- **Tools Used:** Helm, Kubernetes, Azure Storage
- **Strategic Solutions Implemented:** Developed automated backup processes and real-time monitoring of Kubernetes clusters, ensuring smooth transition and continuity.
- **Outcome:** Achieved a seamless migration with zero data loss and maintained service uptime throughout the transition period.