

**Zoya Khan** Karachi, Pakistan | zoya.khan.cloud@email.com | [linkedin.com/in/zoyacloudarch](https://www.linkedin.com/in/zoyacloudarch)

**Summary** A highly accomplished and certified AWS Solutions Architect - Professional with over 9 years of experience in designing, deploying, and managing robust, scalable, and fault-tolerant cloud infrastructures. Expert in migrating complex enterprise workloads to AWS and optimizing for cost and performance, resulting in an average 25% reduction in cloud expenditure for clients. A strategic leader dedicated to leveraging AWS best practices to solve complex business challenges.

## Experience

**Lead Cloud Architect**, *Contour Software*, Karachi, PK (*April 2020 - Present*)

- Designed and led the end-to-end migration of a multi-tier financial services application from an on-premise data center to AWS, ensuring minimal downtime and data integrity.
- Architected a secure and scalable environment using a multi-VPC strategy, with strict security groups, network ACLs (NACLs), and granular IAM policies.
- Authored and maintained a comprehensive library of **Terraform** modules to automate the provisioning of all infrastructure, including EC2, RDS, and Lambda resources.
- Provided strategic guidance to development teams on cloud-native software development, promoting the use of serverless patterns and managed services to increase efficiency.

**Cloud Solutions Architect**, *Systems Limited*, Lahore, PK (*July 2017 - March 2020*)

- Designed cost-effective solutions for clients by selecting the appropriate AWS services (EC2 vs. Lambda, RDS vs. DynamoDB) based on detailed workload analysis.
- Implemented disaster recovery and high-availability strategies using multi-AZ deployments and automated failover with Route 53.
- Conducted security audits and implemented remediation plans based on AWS Well-Architected Framework principles.

## Skills

- **Core AWS Services:** EC2, S3, VPC, RDS, Lambda, IAM, Route 53, CloudFormation, CloudFront, ELB
- **Infrastructure as Code:** Terraform, AWS CloudFormation
- **Security:** IAM Policies, Security Groups, NACLs, AWS WAF, KMS
- **Networking:** VPC Peering, Direct Connect, Transit Gateway, Subnetting
- **Scripting:** Python, Bash
- **Methodologies:** Agile, Scrum, AWS Well-Architected Framework

## Certifications

- **AWS Certified Solutions Architect - Professional**

- AWS Certified Security - Specialty
- HashiCorp Certified: Terraform Associate

## **Education**

**Bachelor of Science in Computer Science** *Lahore University of Management Sciences (LUMS)*, Lahore, PK