

# MD ZAHID ALI

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## Experience

### Tata Consultancy Services (TCS)

Bangalore

AWS Cloud Developer

July 2021 - Present

- **Control Tower**
  - \* Managed and implemented AWS Control Tower to establish and govern a secure, multi-account AWS environment, ensuring compliance and best practices across organization's cloud infrastructure.
- **AWS IAM Identity Centre(Successor to AWS SSO) Federation with Azure AD**
  - \* Successfully implemented AWS IAM Identity Center (Successor to AWS SSO) Federation with Azure AD, enhancing cross-cloud identity management and streamlining access controls for improved security and efficiency.
- **AWS Terraform**
  - \* Executed Terraform resource provisioning (VPC, EC2, S3, RDS, Route 53, Cloud front etc) seamlessly within a CI/CD pipeline that integrated CodePipeline, CodeCommit, and CodeDeploy. Achieved automated infrastructure deployment and maintenance, enhancing efficiency and reliability of AWS environments.
- **Domain Migration**
  - \* Successfully transferred domain from GoDaddy to AWS Route 53.
- **AWS Backup**
  - \* Utilized AWS Backup to create and manage snapshots, ensuring data protection and reliable recovery in AWS infrastructure.
- **AWS Guardrails**
  - \* Enforced AWS Guardrails to maintain secure and compliant AWS environments by implementing predefined policies and best practices.
- **AWS SecurityHub Remediation**
  - \* Proactively resolved AWS Security Hub findings to enhance security and compliance in AWS environments.
- **Setup EventBridge Rule**
  - \* Successfully create event rule which throws notification whenever an EC2 instance state changes.
- **S3 Cross Account Access**
  - \* S3 cross-account access: Granting permissions to access AWS S3 buckets across multiple AWS accounts.

## Personal Projects

### Serverless Image Handler

- Designed and implemented a cost-effective serverless architecture on AWS for dynamic image processing using the Sharp open-source software. Optimized for high-quality image manipulation to enhance user engagement on websites and mobile applications.
- Tech Stack: CloudFront, Amazon API Gateway, Lambda Function, Amazon S3, Secrets Manager, Rekognition

## Technical Skills

**Languages/Frameworks:** Terraform, Git, Linux, Bash, C++

**Tools/Technologies:** VPC, EC2, EFS, IAM, S3, RDS, CloudFront, Route53, AWS Backup, Systems Manager, Cloudformation, CloudWatch, CloudTrails, CodeCommit, CodeBuild, CodePipeline, Devops, GaurdRail, SecurityHub

## Certifications

- **AWS Certified Solutions Architect Associate** - [Link](#) September 2023
- **AWS Certified Cloud Practitioner** - [Link](#) September 2022

## Education

### VelTech University

Chennai, TN

Bachelor of Technology in Electronics & Communication Engineering; CGPA: 8.9

2017 – 2021

### CBSE Board, O.P Jindal School

Raigarh, CG

Senior Secondary Percentage: 75.4

2017

### CBSE Board, Indian School

Raigarh, CG

Secondary CGPA: 8.6

2015