SHAIK MISBAHUR RAHMAN

AWS Cloud Engineer

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PROFESSIONAL SUMMARY

Entry-level AWS Cloud Engineer and Computer Science and Engineering graduate with hands-on experience designing and deploying three-tier cloud architectures on AWS using EC2, VPC, ALB, S3, RDS, and IAM. Skilled in Infrastructure as Code with Terraform, Linux administration, and cloud monitoring with CloudWatch, Prometheus, and Grafana. Seeking an AWS Cloud Engineer role to apply practical cloud skills to scalable and reliable cloud infrastructure.

TECHNICAL SKILLS

- **Cloud Platform:** Amazon Web Services (AWS)
- **Compute and Storage:** EC2, AMIs, Launch Templates, Auto Scaling, Elastic IP, S3 (Versioning, Storage Classes, Lifecycle Rules, Static Website Hosting)
- **Networking and Content Delivery:** VPC, Public and Private Subnets, CIDR Planning, Internet Gateway, NAT Gateway, Route Tables, Security Groups, NACLs, Application Load Balancer (ALB), Network Load Balancer (NLB), CloudFront, Route 53
- **Identity and Security:** IAM Users, Groups, Roles and Policies, AWS Secrets Manager
- **Databases:** Amazon RDS (MySQL), DynamoDB (basics)
- **Monitoring:** Amazon CloudWatch, CloudTrail, Prometheus, Grafana
- **Infrastructure as Code and CI/CD:** Terraform, Jenkins, GitHub Actions, Git, GitHub
- **Operating Systems and Scripting:** Linux (Amazon Linux, Ubuntu), Shell Scripting, Python

PROJECTS

AWS E-Commerce Website – Cloud Deployment

Tech Stack: AWS (EC2, VPC, ALB, Auto Scaling, S3, RDS, IAM, Route 53, CloudFront, Secrets Manager, CloudWatch), Linux, Python, Node.js, Nginx, Prometheus, Grafana

- Designed and deployed a three-tier E-Commerce application on AWS using EC2, VPC, Application Load Balancer (ALB), and Amazon RDS.

- Configured 8 VPC subnets across public, frontend, backend, and database tiers with Internet Gateway, NAT Gateway, route tables, and security groups.
- Integrated Python Flask and Node.js services with Amazon RDS, AWS Secrets Manager, and Route 53.
- Implemented monitoring and observability with Prometheus, Grafana, and Amazon CloudWatch.

Modular Three-Tier AWS Infrastructure using Terraform

Tech Stack: Terraform, HCL, AWS (VPC, EC2, ALB, RDS, IAM, Subnets, NAT Gateway, Internet Gateway), Git, GitHub

- Developed a modular Infrastructure as Code (IaC) solution with Terraform to provision a three-tier AWS architecture.
- Organized infrastructure into reusable Terraform modules to improve maintainability, scalability, and reusability.
- Configured AWS networking resources and implemented Terraform variables, outputs, and resource dependencies for infrastructure deployment.

EDUCATION

Bachelor of Technology (B.Tech), Computer Science and Engineering

GITA Autonomous College, Bhubaneswar, Odisha | 2022 – 2026