



# Ali Nawaz


DevOps Engineer

AWS Solutions Architect/Azure DevOps

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I am an ambitious and motivated individual with a passion for DevOps. Possessing strong analytical, problem-solving, and communication skills, I am committed to delivering high-quality work in fast-paced environments. As a quick learner, team player, and collaborative contributor, I am eager to leverage my skills and knowledge to help achieve your organization's objectives.

## EDUCATION

### Bachelors in Information Technology

University of Education, Lahore

2021 - continues

## WORK EXPERIENCE

### DevOps Engineer

Corvit System, Lahore

05/2021 - 04/2022,

*I have accumulated one year of valuable professional experience during my tenure at Corvit System, where I actively contributed to various projects and enhanced my skills in the field.*

*Professional Experiences:*

- I possess extensive AWS expertise, using services like EC2, S3, VPC, ELB, Autoscaling, IAM, CloudFront, SNS, SQS, and RDS to construct robust, scalable, and secure systems. I actively managed and improved AWS cloud infrastructure, ensuring its performance and flexibility.
- I have experience in designing and setting up VPC network infrastructure, including configuring subnets, route tables, security groups, internet gateways, and NACLs to ensure security. I've also established VPC Peering to facilitate smooth communication between different VPCs.
- I handled various S3 tasks, including creating buckets, hosting static websites, implementing Cross-Region Replication, enabling Versioning, managing access policies, and archiving outdated data to Glacier using Lifecycle policies. I optimized costs by using S3 lifecycle policies to automatically transition data to different storage classes based on requirements.
- I've managed various tasks in Azure DevOps, such as creating release pipelines and deploying websites to both QA and production servers.
- Often, I initiate projects by starting with GitHub to upload code from my local machine. Then, I set up Jenkins to create a staging environment and establish a pipeline. This pipeline retrieves code from GitHub, builds it, and pushes it to Docker Hub. Afterward, it fetches the image from Docker Hub and deploys it onto Kubernetes pods using YAML files, incorporating concepts like Ingress and Deployment for a comprehensive solution.
- I enhanced my DevOps workflow by utilizing GitHub, Docker, Jenkins, Kubernetes, and Terraform. I managed code effectively with Git and maintained code quality. Docker simplified application environment setup, while Jenkins enabled CI/CD automation for builds and deployments. I scaled containerized apps using Kubernetes and employed YAML files for deployments. Terraform streamlined EC2 instance provisioning with reusable infrastructure code.

## SKILLS

Git

Docker

Jenkins

Kubernetes

Linux

Terraform

## PROJECTS

- Deployed static website on AWS S3, integrated custom domain using Route 53.
- Orchestrated dynamic website deployment on Kubernetes pods using GitHub, Jenkins, Docker Hub, and Kubernetes.
- Utilized AWS DevOps with CodeCommit, CodeBuild, CodeDeploy, CodePipeline for seamless deployment to ECS and ECR.
- Established a CI/CD pipeline using AWS, GitHub, Jenkins, and Docker for efficient software development and deployment.
- Successfully deployed a website on Azure Container Instances (ACI) utilizing the Azure Container Registry (ACR) for container management.
- Created a release pipeline and deployed the website to both QA and production environments using Azure DevOps.

## LANGUAGES

Urdu

Full Professional Proficiency

English

Full Professional Proficiency