

MUNEEB UR REHMAN

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EDUCATION

Muslim Youth University

Bachelors in Computer Science - CGPA - 3.54

Oct 2020 – Jul 2024

Islamabad, Pakistan

TECHNICAL SKILLS

Scripting: Python, Bash

Containerization: Docker

Databases: MySQL, Firebase

Version Control: Git, GitHub

CI/CD Pipelines: Github Actions

Infrastructure As Code: Terraform

Container Orchestration: AWS ECS

Languages: Python, C++, Java, CudaC

Cloud Platforms: AWS (EC2, S3, VPC, RDS, ECS, ECR, Auto-Scaling, CloudFront, IAM, CloudWatch, SNS, Lambda, DynamoDB, API Gateway)

EXPERIENCE

Systems Limited

DevOps Engineer

Sept 2024 – Dec 2024

Islamabad, Pakistan

- Deployed a three-tier application using VPC for a secure, scalable, and highly available network.
- Set up AWS Auto-Scaling Groups for automated scaling and alarms for performance monitoring.
- Optimized CI/CD pipelines using GitHub Actions to deploy Docker images to DockerHub and ECR.
- Deployed a scalable three-tier application on AWS ECS using Fargate, ECS services, RDS, and ECR.
- Implemented Terraform-based IaC for automating AWS service provisioning.

xFlow Research (Pvt.) Ltd

Network Engineer

Jul 2023 – Dec 2023

Islamabad, Pakistan

- Gained knowledge of SONIC architecture.
- Implemented LAN and VLAN configurations in GNS3 for network simulations.
- Acquired understanding of blockchain technology and its components like DApps and smart contracts.
- Developed practical skills in blockchain-based projects and industry applications.

PROJECTS

Three-Tier Application VPC Setup

- Created a VPC with subnets, routing tables, and gateways for secure, isolated communication.
- Secured web, application, and database layers with security groups and NACLs.

Auto Scaling

- Configured AWS Auto Scaling groups to automatically scale EC2 instances based on traffic and load.
- Configured CloudWatch alarms to monitor metrics, trigger scaling, and send alerts via SNS.

ECS Three-Tier Application

- Built Docker images, pushed them to Amazon ECR via GitHub Actions CI/CD pipelines.
- Used Fargate, RDS, ECR, and Load Balancers for scalable, serverless, and highly available architecture.

Infrastructure as Code (IaC) using Terraform

- Designed and deployed AWS services such as VPC, EC2, security groups, and load balancer.
- Created reusable modules to streamline infrastructure management and improve deployment efficiency.

Serverless Application with API Gateway, Lambda, and DynamoDB

- Developed a serverless application using AWS API Gateway, Lambda, and DynamoDB for efficient and scalable backend services.
- Implemented RESTful APIs with API Gateway, integrated with Lambda functions to handle requests and interact with DynamoDB for data storage.