

Rameez Ahmed Zaka

DevOps & Cloud Engineer

A motivated, detail-oriented professional with a background in mobile development and cloud infrastructure management. Currently expanding expertise in DevOps practices, with a strong commitment to continuous learning and collaboration. Eager to enhance technical skills and gain practical experience in a collaborative environment.

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EDUCATION

Bachelor of Computer Science

Capital University of Science and Technology

01/2021 - 02/2025

Islamabad, PK

SKILLS

Amazon Web Services

Git

Jenkins

Bash Script

Terraform

Docker

Flutter

PERSONAL PROJECTS

AWS Auto Scaling using Terraform

- Creating auto Scaling with desired capacity of 2 instances.
- Load Balancer is also attached and word press is fully automated.
- The whole process is done by using terraform.

AWS RDS using Terraform

- Created Terraform code for provisioning and managing AWS Relational Database Service (RDS) instances.
- Developed Terraform scripts for creating and managing AWS Virtual Private Cloud (VPC) infrastructures.
- Automated the setup of subnets, route tables, and internet gateways to ensure secure and efficient network environments.
- Automated WordPress installation and configured network security.

CI/CD pipeline using Jenkins

- Developed an HTML processing pipeline for web development tasks.
- Any changes in the code will trigger the pipeline and run the html linter.
- If linter fails then the build will be failed otherwise will deploy the code on Apache Server.

Campus Cafe App

- Designed and developed a Campus Cafe App using Flutter.
- Improving efficiency and user experience by allowing students to easily order food from their phones without having to go to each stall to look at the menus.
- Firebase is use as the database.

Dockerized Python Application with Flask, Redis, and Nginx

- Developed a Docker Compose setup for a Python application using Flask, integrating a Redis database and two Nginx containers.
- Created a Dockerfile for the Python application, using a Python base image to install Flask.
- Configured a Redis container from the Redis base image to serve as the database.
- Set up an Nginx container to serve static files, based on the Nginx base image.
- Implemented another Nginx container as a reverse proxy server to manage application traffic.
- Ensured seamless communication between the Python app and the Redis database.
- Automated the entire configuration using Docker Compose for streamlined deployment and management.

CI/CD Pipeline for Node.js Application

- Implemented a Jenkins-based CI/CD pipeline to automate the deployment of a Node.js application on AWS EC2.
- Configured Jenkins to trigger deployments on code changes for seamless integration.
- Provisioned EC2 instances using Terraform for infrastructure as code (IaC).

CERTIFICATES

AWS Cloud Practitioner (01/2025 - 01/2028)

(Validation Number: a1be253334884a41820833a99e9f5a08)