

Malik Murtaza Rizwan

DevOps Engineer

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SUMMARY

Passionate and results-driven Computer Science student with a focus on cloud computing and DevOps engineering. Seeking an internship in cloud engineering to apply and enhance my knowledge in these areas. Eager to contribute my enthusiasm and expertise to drive organizational success. Continuous learner, committed to staying current with industry trends and delivering innovative solutions. Team player with a strong work ethic, thriving in fast-paced environments. Methodical and analytical approach, ensuring accuracy and exceptional results.

Experience

- Summer internship (DevOps Intern) **Zigron Inc. • July 2023 - September 2023**
- Summer internship (DevOps Intern) **Zigron Inc. • July 2024 - September 2024**

PROJECTS

Job Bank Pakistan

Air University • September 2023 - January 2024

<https://github.com/MurtazaMalik10/BlazorJobSearchWebsite.git>

- Successfully deployed a .NET-based Application on AWS, utilizing EC2 Instances for Hosting.
- Implemented S3 Buckets for Efficient and Scalable Storage of Application Data.
- Designed and Worked with Multi-Availability Zones (AZs) to Ensure High Availability and Fault Tolerance.
- Configured and Managed Virtual Private Cloud (VPC) for Secure Network Isolation and Traffic Control.
- Ensured Robust Security Measures through the Implementation of Security Groups and Access Control Lists (ACLs).
- Implemented Auto Scaling for Dynamic Resource Provisioning, ensuring optimal performance during varying workloads.

Tourify

Air University • February 2024 - Ongoing

<https://github.com/MurtazaMalik10/Tourism.React.git>

- Currently participating in client meetings to assess ongoing AWS deployment needs.
- Using AWS expertise to understand client requirements and guide them to suitable solution
- Collaborating with client to refine project objectives in alignment with AWS best practices.
- Discussions on AWS architecture options for scalability and reliability.
- Continuously evaluating and enhancing the AWS deployment to meet evolving client needs.
- Acting as the main contact between clients and the deployment team.
- Providing ongoing support and guidance throughout the AWS deployment process.

Automation using Jenkins

Zigron • July 2024 - July 2024

- Developed a **Jenkins automation pipeline** on Linux to add **Git hooks** for automatically detecting and processing pushes to both **private and public repositories**.
- Configured Jenkins to integrate with GitHub, triggering automated tasks upon repository updates.
- Optimized the pipeline for efficiency, reducing manual intervention in deployment workflows.
- Gained hands-on experience with Linux, Jenkins, Git, and automation scripting.

Dockerized Applications

Zigron • August 2024 - August 2024

- Containerized applications** using **Docker** and **Docker Compose** on Linux for efficient deployment and scalability.
- Built and optimized Docker images, ensuring lightweight and secure containers.
- Deployed containerized applications on AWS**, leveraging EC2 instances for hosting.
- Configured networking and volume management for seamless application performance.
- Gained hands-on experience with **Docker**, **Docker Compose**, **AWS EC2**, and **Linux server management**.

EDUCATION

Bachelor of Science in Computer Science

Air University • 2025 • (Currently enrolled)

CERTIFICATIONS

Introduction to DevOps

IBM • 2023

DevOps on AWS (4 Course Specialization)

AWS • 2023

AWS CLOUD PRACTITIONER ESSENTIALS

AWS • 2023

AWS CLOUD TECHNICAL ESSENTIALS

AWS • 2023

SKILLS

Public Cloud: AWS

AWS: Code Pipeline, Code Build, Code Deploy, Cloud Formation, EC2, AWS Lambda, S3, VPC, IAM, ECS, SNS, ELB

OS Platforms: Windows, Linux

Scripting: Python, Bash

Version Control: GitHub

Development: C++, C#, .NET 7.0