

# MUHAMMAD USAMA KHAN - DEVOPS ENGINEER

As a highly motivated DevOps Engineer with a passion for innovation, I excel at designing, planning, and managing cloud infrastructure for businesses of all sizes. I leverage a creative approach to solve problems within cloud environments, ensuring secure, scalable, and cost-effective solutions aligned with business strategies. My deep understanding of cloud computing principles allows me to effectively assess application integration needs and service activation requirements. Throughout my career, I've consistently delivered solutions that enhance user satisfaction and loyalty, demonstrating my commitment to user experience.

## CAREER HIGHLIGHTS:

- 1+ years of industry experience with technical background.
  - Experience working as DevOps Engineer with deep expertise in Amazon Web Services (AWS).
  - Experience working as DevOps Engineer with deep expertise in Digital Ocean.
  - Skilled at supporting individuals and teams, building efficient systems, and tackling challenges head-on. Proven ability to manage teams, deliver training, and develop effective strategies, policies, and processes.
  - Expertise in solution, enterprise architecture, and cloud computing. Creates documentation and reports, adept at troubleshooting complex issues. Passionate about leveraging technology for development and driving process improvements. Deep understanding of change lifecycles, open source technologies, business continuity planning, and disaster recovery.
  - Experience with Infrastructure as Code (IaC), I've revamped and managed legacy infrastructures using Terraform and AWS CloudFormation.
- 

## EDUCATION

### Bachelor of Computer Science

National University of Computer and Emerging Sciences (CFD Campus) 2019-2023

### Technical Proficiencies

- **Cloud Platforms:** AWS (EC2, S3, RDS, DynamoDB, Lambda, API Gateway, Route 53, ECS, Serverless)
- **Containerization:** Docker, Docker Swarm, Amazon ECS

- **CI/CD:** GitHub Actions, Jenkins, AWS CodePipeline, AWS CodeBuild
  - **Infrastructure as Code (IaC):** Terraform, AWS CloudFormation, StackSets
  - **Version Control:** Git, GitHub
  - **Monitoring & Logging:** Prometheus, Grafana, Cloudwatch
  - **Scripting & Automation:** Shell scripting, Python, AWS Lambda
  - **Networking:** VPC, Subnets, Security Groups, Route Tables
- 

## PROFESSIONAL EXPERIENCE

### Digitify Pvt Ltd ( Oct 2023 - Till Date)

#### DevOps Engineer

In this role, I am working as a Senior DevOps Engineer at Digitify Ltd the Technology partner for FinTech product called YAP which is live in UAE, and we are going to launch soon in Saudi Arabia and Ghana and Pakistan. Working on something that will change how banking is done, open an account from your phone in minutes, without stepping out of your home. My responsibilities include ensuring a secure, scalable, and compliant infrastructure that underpins YAP's functionality across multiple countries. I design, build, and replicate this infrastructure, prioritizing security standards at every step. This robust foundation allows YAP to seamlessly adapt to new regulations and user demands as we expand globally.

Other than that I worked on **MATW, Xplora** Project on which I have done from design to implementation from start

### MATW

#### Responsibilities:

- Led the deployment of a charity-based application using both DigitalOcean and AWS services.
- Architected and implemented a serverless backend using AWS API Gateway, Lambda, and DynamoDB.
- Managed the deployment of the frontend on S3, ensuring scalability and high availability.
- Set up and managed the CMS on Amazon ECS for efficient content management.

- Developed and maintained a CI/CD pipeline using AWS CodePipeline for seamless code deployment and updates.
- Provisioned the entire production environment from scratch using Terraform, ensuring a robust and repeatable infrastructure.

#### Key Points:

- **Technologies:** DigitalOcean, AWS (S3, API Gateway, Lambda, DynamoDB, ECS, CodePipeline, Terraform)
- **Achievements:** Successfully deployed a serverless architecture for a global charity, reducing operational costs and increasing system reliability.
- **Challenges Overcome:** Transitioned from traditional hosting to a scalable cloud architecture, enabling better performance and cost-efficiency.

#### Xplora

#### Responsibilities:

- Spearheaded the revamp of a microservices-based infrastructure for a kids' watch company.
- Transitioned legacy infrastructure from EC2, Docker Swarm, Elastic Beanstalk, and ECS to a fully automated ECS setup.
- Utilized CloudFormation and StackSet to provision the entire infrastructure, ensuring consistent and scalable deployments.
- Integrated GitHub Actions for CI/CD pipelines, enhancing the development workflow and reducing deployment times.
- Collaborated with cross-functional teams to ensure smooth migration and minimal downtime during infrastructure revamp.

#### Key Points:

- **Technologies:** AWS (EC2, Docker Swarm, Elastic Beanstalk, ECS, CloudFormation, StackSet, GitHub Actions)
- **Achievements:** Revamped the entire infrastructure to a modern, scalable architecture, improving reliability and maintainability.
- **Challenges Overcome:** Successfully migrated legacy systems to a new infrastructure with minimal disruption, ensuring continued service for users.