

Mohasin Mudassar

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DevOps Cloud Engineer with 2+ years of experience architecting efficient infrastructure solutions.

PROFESSIONAL EXPERIENCE

DevOps/SRE Engineer, Xgrid

(May 2023 – June 2024, Islamabad, Pakistan)

- Led the development and deployment of Datadog dashboards, optimizing multi-service monitoring and alerting mechanisms. Achieved a 30% reduction in downtime and improved infrastructure performance metrics by 25%.
- Improved service reliability by maintaining stringent standards, achieving SLOs at 99% for production servers, with a Mean Time to Acknowledge (MTTA) under 1 minute and a Mean Time to Resolution (MTTR) under 1 hour.
- Revamped production-level logging practices, resulting in a 30% improvement in IoT cloud infrastructure reliability and a 25% reduction in incident response time, while improving security measures.
- Designed and implemented a Python-based Lambda solution for the Cloud Cost Control Team, which automated the identification and removal of stale AWS resources. This initiative reduced operational costs by 35% and enhanced resource utilization by 25%.
- Architected a scalable three-tier web application using React and Flask, deployed on AWS with integration of services like Cognito, EC2, ECR, RDS Aurora Serverless, and Route 53. Used Terraform to streamline infrastructure provisioning and ensure efficient deployments across environments.
- Spearheaded AWS access control improvements and streamlined Terraform deployments for the XMOPS team, resulting in a 40% reduction in security incidents and a 50% increase in client issue resolution speed.
- Mentored and trained 10 students as part of the XMOPS team, helping them successfully transition into company roles, and contributing to team growth and skill development.
- Drove cloud cost control strategies by implementing automated resource management solutions, ensuring operational integrity through detailed notifications and improving overall cost efficiency.

DevOps Engineer, AUTOSPHERE

(Jan 2023 – May 2023, Islamabad, Pakistan)

- Refined workflows by implementing Zabbix monitoring, which significantly boosted on-premises infrastructure visibility by 60%.
- Revamped build processes to achieve a 40% reduction in deployment times, improving overall efficiency and productivity within the development team.
- Implemented end-to-end deployment pipeline with GitHub Actions for CI/CD, deploying a Django API on EC2, Angular front-end on S3, with RDS, SSL, CloudFront, and Terraform for infrastructure management. ([Try it here](#))

AWS Cloud Engineer, SOFTOO BOOTCAMP

(Sep 2022 – Dec 2022, Islamabad, Pakistan)

- Gained expertise in cloud infrastructure, automation, and scalable solutions as a Junior Cloud Engineer, where I optimized deployment pipelines, enhanced system performance, and collaborated with cross-functional teams to deliver efficient cloud-based solutions that reduced costs by 15%.

SKILLS

Programming Languages: Python, Terraform, Bash Scripting, Yaml

CI/CD: GitHub Actions, Jenkins

AWS Cloud: Amazon VPC, Ec2, IAM, ECS, EKS, RDS, S3, Cognito, Lambda, SNS, SQS, Event Bridge, CloudFront, API Gateway

Containerization & Orchestration: Docker, Kubernetes

Version Control: Git, GitHub

Databases: MySQL, Mongo DB, Postgres

Operating Systems: Linux, Windows

Monitoring Tools: Datadog, Zabbix

EDUCATION

- Master of Science – Software Systems Science – (Apr 2024 – Present, Bamberg, Germany)
- Bachelor of Science – Computer Science – (Aug 2018 – Aug 2022, Islamabad, Pakistan)