

# Mohasin Mudassar

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

## EDUCATION

- Master of Science in Software Systems Science – Otto Friedrich Universität Bamberg (04/2024 – Present)
- Bachelor of Science in Computer Science – Comsats University Islamabad (08/2018 – 08/2022)

## PROFESSIONAL EXPERIENCE

### Software Systems & DevOps Engineer, Xgrid

(05/2023 – 06/2024)

- 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

(01/2023 – 05/2023)

- 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

(08/2022 – 12/2022)

- Optimized cloud-based backend services, reducing operational costs by 15%.
- Collaborated with cross-functional teams to deliver scalable solutions for various software projects.

## 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

**Practices:** Agile, Scrum