

Aziz ur Rehman Khan

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Professional Summary

Experienced DevOps Engineer with almost 3 years of expertise in optimizing CI/CD pipelines, ensuring application security, and delivering scalable solutions on AWS, GCP, and Azure. Proficient in Terraform and Bicep for infrastructure as code (IaC), including both public and custom module development. Adept at automating infrastructure, transitioning from monolithic to microservices architectures, and working across multi-cloud environments. Committed to enhancing performance, reliability, and security in cloud-native applications.

Work Experience

DevOps Engineer

Devsinc - Lahore | July 2022 to Present

- Provided services on 2 US-based projects.
- Leading a team of 2 Junior DevOps Engineers.
- Led a 14-member team in migrating from monolithic to microservices architecture.
- Designed and implemented a multi-account strategy for AWS to secure and isolate environments.
- Developed and deployed infrastructure as code (IaC) on AWS and GCP using Terraform, adhering to security and scalability best practices.
- Architected GCP solutions, including VPC, CloudSQL, CloudRun, and others, while managing both custom and public Terraform modules.
- Leveraged AWS services like IAM, ALB, WAF, Shield, GuardDuty, and RDS to build secure and scalable production environments.
- Audited and migrated IAM users to Identity Center, managing cleanup, grouping, and permissions.
- Automated deployments using Bitbucket CI/CD pipelines across AWS and GCP, streamlining infrastructure updates.
- Implemented monitoring and logging with AWS CloudWatch, CloudTrail, and GCP tools, improving system reliability.

DevOps Engineer

Xquic - B2B | October 2023 to March 2024

- Collaborated with a 20+ member team to enhance application security and monitoring.

- Implemented a Zero Trust Architecture using AWS ECS and RDS, ensuring a scalable and secure environment.
- Built secure cloud infrastructure using Terraform, integrating both public and custom modules.
- Led the migration of applications from Heroku to AWS ECS, optimizing for performance and scalability.
- Optimized CI/CD pipelines for efficient and reliable code delivery across AWS and GCP.

Azure DevOps Engineer

Freelance | 2025

- Led a proof-of-concept (POC) migration of infrastructure from one Azure tenant to another for a legacy product ecosystem.
- Conducted extensive documentation of the migration process, architecture, and best practices.
- Utilized Bicep to deploy ARM templates for Azure infrastructure, ensuring repeatable and scalable deployments.
- Developed build pipelines and automated Releases using Azure DevOps.
- Ensured seamless transition by implementing secure and compliant infrastructure-as-code (IaC) practices.

Education

Bachelor's of Computer Sciences (BSCS)

FAST National University of Computer and Emerging Sciences - Lahore | August 2018
- June 2022

Skills

- **CI/CD Tools:** Bitbucket CI/CD, GitHub Actions, Jenkins, GitLab, Azure DevOps
- **Cloud Services:** AWS (ECS, RDS, EC2, ElastiCache, GuardDuty, CloudTrail, CloudWatch, WAF, Fargate), GCP (Compute Engine, Cloud Storage, Pub/Sub, Cloud SQL), Azure (ARM, Bicep, Azure DevOps)
- **Infrastructure as Code:** Terraform (Modular Approach, Public and Custom Modules), Bicep
- **Containerization and Orchestration:** Docker, Kubernetes
- **Configuration Management:** Ansible
- **Monitoring and Performance:** Datadog, New Relic, CloudWatch
- **Architectures:** Microservices, MVC
- **Security:** Zero Trust Architecture (ZTA), Cloudflare, PCI DSS Compliance
- **Project Management:** Jira, Agile Methodologies

