Muneeb Shoukat

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DevOps Engineer

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Summary

- DevOps Engineer/Site Reliability Engineer with 3+ years of experience building and maintaining CI/CD pipelines, microservices architectures, and high-availability systems. Expert in infrastructure as code with Terraform, containerization with Docker/Kubernetes, and monitoring tools (ELK, Prometheus, Grafana). Proven track record implementing secure networking solutions and optimizing cloud infrastructure (AWS, GCP) resulting in 40% cost reductions and 30% performance improvements. Currently pursuing a Master's in Global Software Development while focusing on "You build it, you run it" DevOps principles.

Education

Bachelor's (Hons) in Computer Science
LAHORE LEADS University, Lahore Graduated 2022

Experience

Senior DevOps Engineer / Site Reliability Engineer *NOV, 2022 - Present*
Venturenox

- Designed and maintained CI/CD pipelines using GitHub Actions, and Argo CD, enabling automated testing, building and deployment across AWS and Azure
- Implemented Infrastructure as Code (IaC) solutions using Terraform for consistent, version- controlled infrastructure deployment
- Deployed and managed containerized microservices on Kubernetes (EKS, GKS) with Docker, improving system performance by 30%
- Set up comprehensive monitoring solutions with ELK stack, Prometheus and Grafana for real-time health checks and incident response
- Configured and managed secure networking components including DNS, VPN, firewalls, load balancers, and security groups
- Implemented best practices for certificates, SSL/TLS, and secrets management using HashiCorp Vault
- Applied SRE principles with root-cause analysis, leading to 40% cost reduction via automation and resource optimization.
- Designed and enforced Kubernetes security controls including RBAC, Network Policies, and Pod Security Standards
- Automated backup, disaster recovery, and failover mechanisms for production systems using Velero.
- Optimized Kubernetes clusters using HPA, VPA, and Cluster Autoscaler to improve scalability and cost efficiency
- Authored detailed technical documentation for infrastructure architecture and operational workflows

Selected Projects

Testfuse *testfuse.com*
AI-driven personality insight platform for talent acquisition

- Implemented automated CI/CD pipeline on Google Cloud Platform using GitLab CI and Argo CD
- Set up IT environments in the cloud using Infrastructure as Code practices
- Deployed and managed microservices on Google Kubernetes Engine (GKE) for scalability
- Configured monitoring and health checks for all system components
- Technology stack: GCP, GitLab CI, Argo CD, GKE, Kubernetes, Terraform

· **Levvy** *levvy.com*

Work management platform supporting outsourced teams

- Designed secure and stable high-availability AWS infrastructure, reducing expenses by 40%
- Implemented Amazon EKS for microservices orchestration and workload management
- Set up Apache Airflow for workflow automation and scheduled jobs
- Applied "You build it, you run it" philosophy with independent fault clearance and troubleshooting
- Technology stack: AWS, EKS, Terraform, Terragrunt, Vault, Docker

· **Crewnetics** *crewnetics.com*

Productivity insights tool with non-intrusive tracking

- Built and deployed microservices infrastructure on Azure Kubernetes Service (AKS)
- Implemented comprehensive monitoring with ELK stack, Prometheus and Grafana
- Set up automated incident response and health checks for all system components
- Configured multi-stage environments with secure networking and CI/CD pipelines
- Technology stack: Azure, AKS, ELK stack, Prometheus, Grafana, Terraform, Docker

Technical Skills

Cloud Platforms: AWS, GCP, DigitalOcean **CI/CD**:
GitLab CI, GitHub Actions, Jenkins, Argo CD
Containers: Docker, Kubernetes, Helm3
Monitoring: ELK Stack, Prometheus, Grafana, Loki, AWS CloudWatch
Infrastructure as Code: Terraform, CloudFormation, Ansible **Security**: SSL/TLS,
HashiCorp Vault, IAM, Certificates, Secrets Management
Networking: DNS, VPN, Firewalls, Load Balancing, Subnets, Security Groups, Ports, IP
Protocols: HTTP/S, TCP & UDP, SSH, SMTP
Automation: Bash, Ansible, Terraform
Operating Systems: Linux (Debian, RHEL)
Backend Development: Python, Java, Microservices Architecture
Code Management: Git, Maven, Gradle, npm
Soft Skills: Problem-solving, Team collaboration, Communication, Decision-making

Technical Articles

· **Automating SSL/TLS with Cert-Manager, Let's Encrypt, and Wildcard Certificates in Kubernetes** Technical Blog *2024*

· **Ensuring High Availability and Resilience in Amazon EKS** Technical Blog *2022*

· **How to install and configure Zabbix on CentOS 7** Technical Blog *2022*