

FARHAN RAMZAN

DevOps/SRE Engineer

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SUMMARY

Highly skilled DevOps and SRE with 4 years of experience in optimizing cloud infrastructure, automating deployments, and ensuring high availability for applications. Adept at leveraging tools such as Docker, Kubernetes, Terraform, and CI/CD pipelines to streamline development workflows and reduce downtime. Proficient in monitoring, incident response, and performance optimization, ensuring system reliability and scalability. Strong background in Linux systems, cloud platforms (AWS/Azure/GCP), and scripting with Python and Bash.

WORK EXPERIENCE

Dec 2022 - Present

Calrom - DevOps/SRE Lead

- Led a team of engineers, managing and overseeing all DevOps and SRE operations
- Designed and implemented robust CI/CD pipelines using Azure DevOps and GitHub Actions, streamlining the delivery process and ensuring higher deployment accuracy.
- Architected and deployed Infrastructure as Code (IaC) solutions using Terraform, improving system scalability and reducing errors.
- Managed containerized applications across AKS, EKS, and on-premises Kubernetes clusters, optimizing and ensuring application scalability and reliability..
- Configured GitOps practices using Flux, Helm, and Kustomize.
- Deployed robust monitoring and alerting solutions with Grafana, Prometheus, Thanos, Tempo, and Loki.
- Led the integration of security best practices with SonarQube for code analysis and Trivy for container scanning.
- Secured infrastructure using External Secrets with Azure Key Vault and HashiCorp Vault, improving data protection.
- Collaborated with stakeholders to architect solutions, implementing best practices in release management and improving system availability and fault tolerance.

Transdata - Senior DevOps Engineer

Jun 2022 - Dec 2022

- Conducted a thorough analysis of the cloud infrastructure and reduced costs by nearly 50%, ensuring cost-effective and optimized cloud usage.
- Orchestrated and managed deployments on AWS ECS across multiple clusters and led the deployment of projects on GKE using Helm charts.
- Moved critical logging infrastructure from AWS CloudWatch to New Relic, enhancing log monitoring capabilities and reducing latency in log retrieval.
- Deployed a project on DigitalOcean using Droplets, streamlining infrastructure for lightweight applications and ensuring smooth and rapid deployments.
- Implemented and secured access to databases by configuring OpenVPN, ensuring only authorized users had secure access.
- Designed and deployed GitLab and ArgoCD pipelines, automating deployment processes and improving overall system efficiency.

Xstak Inc. - Devops Engineer

Oct 2020 - Jun 2022

- Orchestrated the migration of six major projects from Google Cloud Platform (GCP) to Amazon Web Services (AWS), utilizing services such as EC2, ECS, EKS, Lambda, Amplify, S3 with CloudFront, and Elastic Beanstalk.
- Conducted the setup of a microservices architecture on GKE, using CodeBuild pipelines to streamline continuous integration and deployment.
- Managed multiple environments (dev, staging, prod) across AWS and GCP, deploying infrastructure for scalability and security.
- Designed and implemented cost-saving solutions by automating scaling using Lambda functions with Boto3, optimizing non-production environments.
- Deployed Istio as a service mesh for over 80 microservices, ensuring secure communication between services and enhanced service discovery.
- Built and managed monitoring infrastructure using Prometheus and Grafana, alongside a robust logging pipeline with Fluentd and the ELK stack.
- Integrated third-party systems such as RabbitMQ, Retail Pro, and Smartlane to enhance operational workflows.
- Managed DNS for all projects via Cloudflare, ensuring smooth and efficient DNS resolution across multiple environments.

Freelancer

July 2019 - Oct 2020

- Worked on various DevOps projects, implementing Jenkins pipelines and leveraging cloud services on GCP and AWS to optimize and automate deployments.

EDUCATION

Bachelor of Computer Science

Aug 2015 - Aug 2019

- Punjab Univeristy College of Information and Technology (PUCIT), Lahore

CERTIFICATES AND TRAININGS

- Certified Kubernetes Application Developer(CKAD)
- Introduction to Kubernetes

TECHNICAL SKILLS

- Cloud Platforms: Google Cloud Platform (GCP), Amazon Web Services (AWS), Microsoft Azure, DigitalOcean
- DevOps Tools: Jenkins, CodeBuild, CodePipeline, GitLab CI, ArgoCD, Helm
- Containerization: Docker, Kubernetes, AWS ECS, EKS, GKE
- Infrastructure as Code (IaC): Terraform, AWS CloudFormation
- Databases: MySQL, PostgreSQL, MongoDB, Elasticache, Redis, Redshift
- Monitoring & Logging: Prometheus, Grafana, ELK Stack, Fluentd, New Relic, Datadog
- Security: HashiCorp Vault, AWS Key Management Service (KMS), AWS Key Vault, OpenVPN
- Other Tools: Cloudflare, Istio, NGINX, Ansible