Kamran Hashmi

DEVOPS ENGINEER · AI/ML INFRASTRUCTURE

Open to remote and contract roles

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90 → 14 min	**−50%**	**100%**	**£9k → £3k**
Deployment time across 6 product teams	Mean time to detect after centralized alerting	Repositories with hard-coded credentials removed	Monthly client infrastructure spend

DevOps engineer with 5 years in software and 4 on the platform layer: **Kubernetes** on EKS and AKS, **Terraform** and Terragrunt, CI/CD in GitHub Actions and GitLab, and Prometheus/Grafana observability. I take the slow, manual, fragile part of shipping software and remove it. Currently deepening AI/ML infrastructure so model workloads get the same delivery discipline as application workloads.

EXPERIENCE

Pikessoft LAHORE, PAKISTAN

Aug 2023 – Present

DevOps Engineer

- Run containerized workloads on AWS **EKS**, **ECS Fargate** and Azure **AKS** with autoscaling and rolling deployments.
- Rebuilt multi-environment pipelines in **GitHub Actions**, **GitLab CI/CD** and **Jenkins**, cutting average deployment time from **90 minutes to under 15** across 6 product teams.
- Manage AWS infrastructure with **Terraform**: consistent tagging, network segmentation, IAM least privilege.
- Built **Prometheus + Grafana** monitoring with alerting on CPU, memory, health and latency, cutting mean time to detect by **50%**.
- Standardized multi-stage Docker builds for **60% smaller images**, pushed to ECR with vulnerability scanning at every stage.
- Removed hard-coded credentials from **100% of deployed repositories** with secrets management and per-environment config injection.
- Cut a client's infrastructure cost from **GBP 9,000 to GBP 3,000 per month** by moving dev environments on-premises and replacing public IPs with Cloudflare Tunnel behind a VPN.

EKS · AKS · Terraform · GitHub Actions · GitLab CI · Jenkins · Prometheus · Grafana · ECR · Cloudflare

Northbay Solutions LAHORE, PAKISTAN

Oct 2022 – Apr 2023

DevOps Engineer

- Containerized monolithic applications with **Docker** for reproducible deployment on AWS EC2.
- Configured EC2 Auto Scaling groups, ALBs, RDS and S3, raising availability to **99.5% uptime**.
- Wrote **Bash** and **Python** automation for log rotation, backups, health checks and alerting, returning **8+ hours per week**.
- Managed Ubuntu and Amazon Linux servers: patching, access control and firewall rules.

Docker · EC2 · Auto Scaling · ALB · RDS · S3 · Bash · Python · Linux

DevSmith LAHORE, PAKISTAN

Oct 2021 – Jul 2022

Application Developer

- Built chat room and ticketing features for a Flutter application.
- Built a Bitcoin wallet application and a WhatsApp media backup application.

Flutter · Application development

SELECTED OPEN SOURCE

EKS platform

Multi-environment EKS with Terragrunt modules, KMS-encrypted secrets, IMDSv2, Kustomize overlays and Argo CD GitOps. Jenkins builds and scans; Argo Rollouts runs blue-green cutovers gated by a smoke test.

`Terraform · Terragrunt · EKS · Argo CD · Argo Rollouts · Jenkins`

EC2 deployment platform

Cost-optimized EC2 with Auto Scaling, CodeDeploy blue/green releases, keyless GitHub OIDC, SQS and Lambda consumers, and self-hosted Prometheus, Loki and Grafana.

`Terraform · EC2 · CodeDeploy · OIDC · SQS · Lambda · Grafana`

ECS Terragrunt platform

ECS Fargate behind an ALB with autoscaling, ACM TLS, per-tier security groups, a self-managed PostgreSQL and Redis tier, and CodePipeline delivery with Slack notifications.

`Terraform · Terragrunt · ECS Fargate · ALB · CodePipeline`

GitLab CI/CD pipelines

.NET on Windows/IIS with backup-and-smoke-test releases, and Angular on Cloudflare Pages with a SonarQube merge-request gate. Five environments, manual production triggers.

`GitLab CI/CD · .NET · IIS · Angular · Cloudflare Pages`

TECHNICAL SKILLS

CLOUD	AWS (EKS, ECS/Fargate, EC2, S3, IAM, RDS, CloudWatch, CodePipeline), Azure (AKS, VMs, App Services, Blob Storage, MSSQL), GCP
IAC	Terraform, Terragrunt, CloudFormation, Ansible
OBSERVABILITY	Prometheus, Grafana, Alertmanager, Loki, CloudWatch, Datadog, New Relic
AI/ML INFRA	MLOps fundamentals, model serving, containerized GPU workloads (current study)
CONTAINERS	Kubernetes, EKS, AKS, Docker multi-stage builds, ECR, Kustomize, Helm, Argo CD, Argo Rollouts
CI/CD	GitHub Actions, GitLab CI/CD, Jenkins, CodePipeline, Azure DevOps Pipelines, Git
LINUX & SECURITY	Ubuntu, Amazon Linux, RHEL, Bash, Python, IAM least privilege, secrets management, image scanning, patching, firewall rules, Cloudflare Tunnel, VPN

EDUCATION

B.S. Computer Science
Lahore Garrison University, Lahore

`2021 · OS, Networks, Distributed Systems, Cloud Computing`

CERTIFICATION

AWS Solutions Architect
Pasha

`Solutions architecture across compute, networking, storage and IAM`

WRITING

Technical notes published on Medium, including exposing on-prem servers without a public IP and managing multiple Git identities.

`medium.com/@kamranali.k47`

CONTACT

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