

Muhamad Asif

LEAD DEVOPS ENGINEER

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SUMMARY

Lead DevOps Engineer with 14+ years of experience architecting and operating cloud infrastructure across AWS, GCP, and OVH Cloud. Deep expertise in Kubernetes, service mesh, IaC, and CI/CD automation — delivering a 25% cost reduction and zero-downtime deployments for complex, high-availability workloads. Proven track record leading cloud migrations, implementing DevSecOps practices, and building secure, observable, scalable platforms. Google Cloud Professional certified in DevOps Engineering and Cloud Development.

SKILLS

CLOUD PLATFORMS

AWS GCP OVH Cloud

IAC

Terraform Terragrunt
Ansible CloudFormation

CONTAINERS

Kubernetes Docker EKS
ECS GKE MicroK8s
Docker Swarm Helm

CI/CD

Jenkins GitLab CI/CD
ArgoCD Spinnaker
CodePipeline Cloud Build

SERVICE MESH

Istio Consul Vault

TRAFFIC & INGRESS

Traefik Caddy
NGINX Ingress AWS ALB
CloudFront

OBSERVABILITY

Grafana Prometheus
Sentry OpenSearch
Nagios

SECURITY

Cloudflare WAF Zero Trust
AWS WAF Firewall Manager
IAM KMS DevSecOps

DATABASES

RDS Aurora Cloud SQL
MySQL PostgreSQL
MongoDB

SERVERLESS

Lambda Cloud Functions
Cloud Run App Engine
Elastic Beanstalk

SCRIPTING

Python Bash

VIRTUALIZATION

KVM VMware

EXPERIENCE

Lead DevOps Engineer

June 2024 - Present

Vaival Technologies — Lahore, Pakistan

- Managed a broad AWS estate — EKS, ECS, RDS, CloudFront, ALB, Auto Scaling, Control Tower, Organizations, WAF, Firewall Manager, AWS Config, and SSM — across multiple accounts and regions.
- Deployed and operated self-managed Kubernetes (MicroK8s) and Docker Swarm on OVH Cloud, reducing vendor lock-in and achieving a 25% reduction in operational costs.

- ▶ Designed ingress and traffic routing with Caddy, Traefik, and NGINX Ingress Controller, enabling zero-downtime deployments and granular request control.
- ▶ Secured perimeter with Cloudflare WAF and Zero Trust, eliminating public attack surface and enforcing identity-based access to all internal services.
- ▶ Standardized IaC using Terraform and Terragrunt with DRY, modular, multi-account infrastructure definitions across AWS and OVH Cloud.
- ▶ Deployed Istio service mesh with HashiCorp Consul for service discovery and mTLS, and Vault for centralized secrets management.
- ▶ Operated self-hosted MySQL, MongoDB, and PostgreSQL clusters with automated backups, replication, and failover.
- ▶ Built a full observability platform with Grafana, Prometheus, Sentry, and OpenSearch enabling proactive incident response.

Senior DevOps Engineer

Oct 2019 – June 2024

[Big Byte Insights Ltd.](#)

- ▶ Architected and operated hybrid cloud infrastructure across GCP and AWS using GKE, Cloud Run, ECS, EKS, and Fargate.
- ▶ Delivered serverless platforms using Cloud Functions and Lambda, reducing idle compute costs and improving event-driven reliability.
- ▶ Authored Terraform and Ansible modules standardizing IaC across GCP and AWS environments.
- ▶ Designed end-to-end networking: VPNs, load balancers, Cloud CDN, Cloud Armor, Binary Authorization, KMS, and Cloudflare.
- ▶ Integrated full CI/CD ecosystem — Spinnaker, ArgoCD, Helm, Cloud Build, Jenkins, GitLab CI/CD, and AWS CodePipeline.
- ▶ Deployed Grafana and Prometheus observability stack with SLO-driven alerting across platform services.
- ▶ Managed Airflow/Composer data orchestration pipelines and Cloud SQL/RDS databases for business-critical analytics.

DevOps Engineer

Jan 2016 – Oct 2019

[Ebryx Pvt Ltd — Lahore, Pakistan](#)

- ▶ Managed scalable AWS infrastructure across Elastic Beanstalk, ECS, and EKS for multiple product teams.
- ▶ Administered Amazon RDS and Aurora fleets with high availability and automated failover.
- ▶ Designed Lambda-based serverless architectures, reducing infrastructure overhead for event-driven workloads.
- ▶ Owned IaC across Terraform, CloudFormation, and Ansible with versioned, auditable definitions.
- ▶ Built and maintained CI/CD pipelines with Jenkins, GitLab CI/CD, and AWS CodePipeline.
- ▶ Applied SRE practices: error budgets, runbooks, and blameless post-mortems, improving MTTR.

Systems Engineer

Feb 2013 – Dec 2015

[Ebryx Pvt Ltd — Lahore, Pakistan](#)

- ▶ Orchestrated server provisioning and configuration management at scale using Ansible and Bash.
- ▶ Managed KVM and VMware virtualization environments.
- ▶ Hardened Linux systems with Lynis, SELinux, and AppArmor, reducing attack surface across the server fleet.
- ▶ Administered MySQL and PostgreSQL databases with replication and backup automation.

- ▶ Managed Nginx, Apache2, BIND (DNS), and Postfix (email) in production.

System Administrator

Mar 2012 - Feb 2013

Textile Marketing Company (TMC) — Lahore

- ▶ Managed 20+ CentOS and Windows servers ensuring uptime across production systems.
- ▶ Implemented Active Directory for centralized authentication and role-based access control.
- ▶ Administered Apache web servers with advanced reverse proxy configurations (TMG, Squid).

IT Administrator

June 2011 - Mar 2012

KM Communications — Lahore, Pakistan

- ▶ Managed Linux server infrastructure (CentOS, Ubuntu) supporting business-critical operations.
- ▶ Automated patch management across 30+ servers with Bash scripts, eliminating manual patching cycles.
- ▶ Implemented Nagios-based monitoring and alerting for proactive incident response.
- ▶ Designed backup strategies using Bacula and rsync, and authored disaster recovery plans.

MAJOR INDUSTRY PROJECTS

Verizon Connect (formerly Telogis)

Infrastructure provisioning, automation, and CI/CD for a 200+ machine fleet on a global telematics platform.

directdebit.ae — UAE Fintech

Complete Jenkins + AWS CI/CD solution for a UAE-market fintech payment platform.

smiota.com — Cloud Migration

Full AWS-to-GCP infrastructure migration, re-architected for GCP-native services with zero unplanned downtime.

invisily.com — Containerized AWS

Built a fully containerized AWS platform from scratch using Docker and Kubernetes for horizontal scaling.

milkipay.com — GCP Build

Designed full GCP platform for a payments startup: Terraform IaC, GKE, CI/CD, and observability from zero.

FireEye Inc. (now Trellix)

Built an offshore lab in a local DC replicating production configurations for security research operations.

CERTIFICATIONS, AWARDS & EDUCATION

Google Cloud Professional DevOps Engineer

2024

[View Credential](#)

Stellar Performer of the Year

2017

Ebryx Pvt Ltd

Bachelor of Arts, 1st Division

2010

Islamia University Bahawalpur, Pakistan

Google Cloud Professional Developer

2023

Bravo Performance Award

2016

Ebryx Pvt Ltd

ProofPoint Email Fraud Defense System

2019

Proofpoint Certified Channel Sales Engineer

2019