

Hassan Shamshir Bhati, Sr. DevOps Engineer

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PROFILE

Senior DevOps Engineer with 5+ years of experience designing, deploying, and operating scalable, secure, and highly available cloud infrastructure. Expert in AWS, CI/CD automation, containerization, Infrastructure as Code, and database administration. Strong FinOps practitioner with a proven track record of reducing cloud spend by **67% (USD 27K → USD 9K)** through rightsizing, Reserved Instances & Savings Plans optimization, and automation. Adept at supporting high-traffic production environments and collaborating cross-functionally to deliver reliable systems across Dev, Staging, and Production environments.

PROFESSIONAL EXPERIENCE

May 2023 — Present

Sr. DevOps Engineer, Khudi Ventures

Key responsibilities:

- Deployed and maintained Laravel (PHP), Node.js, Python and Vue.js applications on AWS EC2 across Dev, Staging, Demo, and Production environments.
- Designed and managed CI/CD pipelines using AWS CodeDeploy and GitLab CI/CD with automated notifications via SNS, Slack, and AWS Chatbot.
- Provisioned and administered AWS infrastructure including ALB, Auto Scaling Groups, Launch Templates, S3, Route53, Parameter Store, and IAM.
- Managed Amazon RDS Aurora MySQL clusters: backups, snapshots, crossregion replication, restores, users, permissions, audit/general/error logs.
- Implemented RDS Proxy and SSL for secure database connectivity.
- Configured Redis clusters (singleAZ and multiAZ) and Amazon EFS for shared storage and application logs.
- Managed and optimized Amazon OpenSearch Service, including index lifecycle management, access control policies, performance tuning, and troubleshooting production issues.
- Implemented and maintained AWS Config to track configuration changes, enforce compliance rules, and improve cloud governance.
- - Enabled and managed AWS Security Hub to centralize security findings, monitor compliance standards, and strengthen overall AWS security posture.
- Automated start/stop of EC2 and RDS resources using AWS Lambda to optimize costs.
- Actively performed FinOps practices including monitoring AWS spend, optimizing Reserved Instances and Savings Plans, and reducing cloud waste through rightsizing and utilization analysis.
- Monitored infrastructure health and performance using CloudWatch and CloudWatch Agent.
- Supported highavailability production workloads for platforms including Dikarishita.com, Milkar.com, and Bikjaa.pk.

Dec 2020 — May 2023

DevOps Engineer, Pereption-IT Lahore

Key responsibilities:

- Deployed and managed applications on AWS using Terraform (IaC) for repeatable and reliable infrastructure provisioning.
- Built and operated ECS Fargate clusters, ECR repositories, and CodeBuild pipelines for containerized workloads.
- Designed and configured ALB listeners, rules, and target groups for microservices architectures.
- Created and managed RDS MySQL databases, snapshots, and migrations.
- Built Kubernetes clusters using Ansible; deployed services including Keycloak, Kafka, Neo4j, PostgreSQL, OpenKM, and Java microservices.
- Implemented Jenkins, FluxCD (GitOps), and custom Helm charts for automated deployments.
- Configured LDAP with OpenShift and supported enterprise authentication requirements.
- Built Docker images (including .NET MVC applications) and managed ACR and AKS deployments using Azure Pipelines.

Aug 2019 — Dec 2020

Jr. DevOps Engineer, Nextage Technologies Lahore

Key responsibilities:

- Managed servers across AWS, DigitalOcean, Linode, and onprem hosting environments.
- Administered cPanel and Plesk control panels for hosting and email services.
- Supported client infrastructure, troubleshooting performance, security, and availability issues.
- Designed MySQL clusters to improve database performance and reliability.

Nov 2018 — Aug 2019

Jr. DevOps Engineer, BrainPlow

Key responsibilities:

- Learned and implemented Docker, Docker Compose, and Docker Swarm.
- Assisted in CI/CD pipeline creation using Jenkins and GitLab.
- Performed database backup and restore operations across cloud platforms.
- Supported monitoring and troubleshooting of multiple environments.

Feb 2017 — Aug 2017

Network Engineer Internship, BZU Multan

Key responsibilities:

- Provided network support and performed troubleshooting to resolve various WAN/LAN connectivity issues.
- Demonstrated proficiency in Linux, virtual platforms and cloud connectivity.
- Analyzed, troubleshot and enhanced network performance to drive efficiency.
- Maintained company servers, computers, printers, cables and other equipment.

HARD SKILL

Linux and bash scripting
Cloud Infrastructure
Provisioning and management
Automation

Database Administration
Infrastructure Monitoring
Infrastructure Diagram

EDUCATION BACKGROUND

2014

BS Computer Science, NFC IET Multan
Completed in 2014 CGPA 3.01

LANGUAGES

ENGLISH

URDU