

# 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 Dilkarishta.com, Milkar.com, and Bikjaa.pk.

Dec 2020 — May 2023

DevOps Engineer, Perception-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, troubleshoot and enhanced network performance to drive efficiency.
- Maintained company servers, computers, printers, cables and other equipment.

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#### HARD SKILL

Linux and bash scripting

Database Administration

Cloud Infrastructure

Infrastructure Monitoring

Provisioning and management

Infrastructure Diagram

Automation

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#### EDUCATION BACKGROUND

2014

BS Computer Science, NFC IET Multan

Completed in 2014 CGPA 3.01

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#### LANGUAGES

ENGLISH

URDU