

Daoud Hussain

DevOps Engineer

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SUMMARY

Results-driven DevOps Engineer with expertise in designing and implementing **scalable, multi-cloud** infrastructure using **Terraform, Kubernetes**, and **CI/CD** pipelines. Proven track record of ensuring high availability (**99.9%** uptime), automating deployments, and optimizing cloud resources across **AWS, GCP**, and **Azure**. Passionate about infrastructure as code (**IaC**), **security** best practices, and monitoring solutions like **Prometheus/Grafana**. Strong technical **writer** and open-source contributor with certifications in AWS and DevOps.

EDUCATION

Comsats University Islamabad, 02/2021 – 01/2025 | Islamabad
Bachelors (Computer Science) 📄

PROFESSIONAL EXPERIENCE

1. **Vizz Web Solutions, DevOps and Cloud Engineer** 📄

02/2025 – Present | Islamabad, Onsite

 - Design and implement **multi-cloud infrastructure** (AWS/GCP/Azure) using Terraform, ensuring **zero-downtime** migrations.
 - Automate **CI/CD** pipelines (**GitHub Actions/GitLab CI**) for seamless deployments reducing deployment failures by **30%**.
 - Manage containerized apps using **Docker, Kubernetes (EKS/AKS/GKE)**, and **ArgoCD** (GitOps)
 - Deploy **serverless** solutions (**Lambda/Cloud Functions**) with event-driven scaling **reducing** infrastructure costs by **40%** compared to traditional compute
 - Maintain **99.9%** uptime with auto-scaling and multi-region HA, cutting downtime incidents by **40%**.
 - Monitor** systems using **Prometheus/Grafana** and cloud-native tools
 - Secure cloud environments through **Firewalls, VPCs, IAM policies**, and compliance **scans**
 - Optimize performance using **CDNs, Route53**, and **K8s auto-scaling**
2. **Octaloop Technologies, DevOps Engineer** 📄

11/2024 – 02/2025 | Islamabad, Onsite

 - Manage AWS infrastructure (**EC2, EKS**) with auto-scaling, reducing monthly costs by **25%**.
 - Implement **CI/CD** pipelines (**GitHub Actions**) with **code quality** checks and **multi-environment** deployments
 - Configure** ALB/NLB with health checks, improving application availability to **99.95%**
 - Monitor systems using **Datadog** for metrics, alerts, and dashboards
 - Maintain containerized workloads (**ECS**) with **blue-green** deployments
 - Optimize **EKS** clusters (**node groups, Helm charts, RBAC**) for microservices
3. **PolicyCon, DevOps Eng. Intern** 📄

09/2024 – 11/2024 | London, Remote

 - Develop CI/CD pipelines using **Azure DevOps** (YAML) for automated deployments
 - Provision and manage **Azure cloud resources** (VMs, App Services, Azure SQL) with cost optimization
 - Implement **IaC** using ARM templates and Azure Resource Manager
 - Configure **Azure Repos** with Git workflows and branch policies
 - Monitor systems using **Azure Monitor**, Application Insights, and Log Analytics
 - Manage identity/access via **Azure Active Directory** (RBAC, service principals)
 - Deploy containerized apps using **Azure Container Instances & AKS**
 - Enforce security with **Azure Key Vault**, NSGs, and Security Center
4. **MLify.AI, DevOps Engineer** 📄

02/2024 – Present | Islamabad, Remote

 - Architect scalable AWS infrastructure (**EC2, S3, Lambda**) for AI/ML workloads, reducing inference costs by **20%**

- Design and implement **CI/CD pipelines** for automated ML model deployment with testing and rollback capabilities
- Enforce **AWS security best practices** (IAM, VPC, encryption) for secure AI data processing
- Monitor systems using **CloudWatch** and custom metrics with proactive alerting
- Optimize cloud resources via **right-sizing, auto-scaling, and serverless architectures**
- Collaborate on deploying **AI models (MLFlows, SageMaker)** into production environments with minimal friction

PROJECTS

1. Self-Storage Auction [↗](#)

Deployed and managing "Self Storage Auction," a **MERN** stack bidding platform with **20,000 active users**, ensuring **zero downtime** on **AWS** through **CI/CD pipelines**, auto-scaling, **load balancing**, database **backups**, and **high availability**.

2. Hamara-Venue [↗](#)

Deployed the complete infrastructure for Hamaravenue using **Terraform** on **AWS**, cutting provisioning time by **75%**, with **CI/CD** pipelines, **multi-env** setup (staging & prod), **load balancers** for scalability, and **automated** db backups via **shell scripts** and **cron-jobs**.

3. Reddit Clone on Kubernetes [↗](#)

Deployed a Next.js Reddit clone on **Kubernetes** with **ingress**, monitored via **Grafana/Prometheus**, improving incident detection speed by **60%**

4. HealthIQ

Provisioned resources using **Terraform** and deployed the complete **infrastructure (FE,BE,DB)** of HealthIQ on **Microsoft Azure** across multiple environments (**dev, staging, and prod**) with **CI/CD pipelines** setup.

5. Languages Voting GO API [↗](#)

Cloud-Native languages Voting Go Application on **AWS EKS** with **K8s orchestration**, **persistent** storage, **secrets** management, and MongoDB **replica set**.

SKILLS

Cloud: AWS, Azure, GCP, DigitalOcean, Hetzner, Contabo

CI/CD: GitHub Actions, Jenkins (SonarQube, OWASP, Docker, Trivy), GitLab CI, Azure DevOps

Containerization: Docker, Kubernetes (EKS/AKS/GKE), ArgoCD

Monitoring: Prometheus, Grafana, Datadog, Loki

IaC: Terraform, Ansible, CloudFormation, ARM Templates

Programming & Scripting: Python Automation, Bash Scripting, Git

TECHNICAL BLOGS

- Docker: An Ultimate guide to Containerization! [↗](#)
- From Zero to K8s Hero: A Beginner's Journey into Kubernetes [↗](#)
- Monitoring with Grafana, Promtail, and Loki: A Complete Guide [↗](#)

CERTIFICATIONS

- AWS Cloud Practitioner Essentials [↗](#)
- Advanced Testing Practices Using AWS DevOps Tools [↗](#)
- Getting Started with DevOps on AWS [↗](#)
- IEEE Best Programmer of the Month [↗](#)