

Muhammad Hassan Javed

DevOps & Cloud Infrastructure Engineer

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github.com/Hassan6586 techwithhassan.cloud

Summary

DevOps and cloud infrastructure engineer who builds and runs infrastructure on AWS and Azure with Terraform, Kubernetes (Amazon EKS), ArgoCD, Docker and CI/CD pipelines, and monitors it with Prometheus and Grafana. AWS Certified Solutions Architect – Associate. Co-founder and CEO of ZyloStays, a short-stay marketplace for Pakistan. Open to remote roles worldwide, relocation, on-site roles in Pakistan, and contract work.

Experience

Co-founder & CEO, ZyloStays

2026 – present

Karachi, Pakistan

- Leading product, engineering and go-to-market for a short-stay rental marketplace ahead of launch.
- Platform built on Next.js and PostgreSQL with Prisma, deployed on Vercel; preparing local payment gateways (JazzCash, Easypaisa).

IT Officer, Networking & Infrastructure, Naheed Supermarket

Feb 2025 – present

Karachi, Pakistan

- Set up Prometheus and Grafana monitoring for point-of-sale terminals and servers, using windows_exporter and custom PromQL queries.
- Maintain the servers behind store operations, including their database backups.
- Troubleshoot the branch network to keep stores trading.

DevOps Intern, Cloudlem Pvt Ltd

Oct 2024

Islamabad, Pakistan

- Administered RHEL and Ubuntu servers: hardening, user access and security configuration.
- Built Jenkins pipelines and containerized services with Docker and Podman.
- Worked with AWS EC2, IAM, security groups and CloudWatch.

AI/ops Intern, Al-Nafi E-Learning Pvt Ltd

Apr 2024 – Apr 2025

Remote

- Built Jenkins pipelines for rolling, blue-green and canary releases.
- Ran workloads on Kubernetes across Amazon EKS, GKE, kubeadm and Minikube.
- Provisioned AWS and Azure resources: EC2, S3, ECR, ECS, IAM, load balancers and Azure VMs.
- Set up monitoring and alerting with the ELK Stack, Prometheus and Grafana; automated admin work with Bash and Python.

Selected projects

OpenEdX on Amazon EKS with Terraform and ArgoCD

2026

github.com/Hassan6586/OpenEdx-using-tutor_GitOps

- Production-style OpenEdX deployment: EKS across three availability zones with Aurora MySQL, DocumentDB, ElastiCache Redis, OpenSearch and EFS, behind AWS WAF and CloudFront.
- ArgoCD for GitOps delivery; Prometheus, Grafana and Fluentd for monitoring; IRSA, KMS and Secrets Manager for security; backup and restore scripts.

Zero-downtime blue-green releases with Nginx, systemd and GitHub Actions

2026

github.com/Hassan6586/oms-project

- Health-gated releases for a FastAPI service on one Ubuntu server, with a graceful Nginx switch-over and automatic rollback. CI blocks the release when tests fail.

Teaching: Tech with Hassan

youtube.com/@techwithhassan-yt

- YouTube tutorials and open labs on GitHub: 30 Docker labs, 30 Python automation labs, 20 Bash labs, Kubernetes and Jenkins labs. Written guide to deploying Amazon EKS with Terraform.

Certifications and education

- AWS Certified Solutions Architect – Associate, Amazon Web Services
- Cisco Certified DevNet Associate, Cisco
- Microsoft Certified: Azure Fundamentals, Microsoft
- EduQual Level 6 Diploma in AIOps (RQF Level 6, bachelor’s-degree level), Al-Nafi International College, 2024–2026

Skills

Cloud	AWS (EC2, EKS, VPC, IAM, S3, RDS, CloudFront, CloudWatch), Microsoft Azure, Google Cloud (GKE)
IaC and GitOps	Terraform, ArgoCD, Helm, Ansible
Containers	Kubernetes (EKS, GKE, kubeadm), Docker, Podman, Docker Compose
CI/CD	GitHub Actions, Jenkins, Azure DevOps Pipelines, GitLab CI
Observability	Prometheus, Grafana, ELK Stack, Fluentd, CloudWatch
Linux and networking	RHEL, Ubuntu, systemd, LVM, iptables, Nginx, DNS
Scripting	Bash, Python