

Karan Chandwani

Cloud & DevOps Engineer

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AWS Certified Solutions Architect | HashiCorp Certified: Terraform Associate (003)

SUMMARY:

Results-driven Cloud & DevOps Engineer with expertise in cloud migration, infrastructure automation, microservices architecture, containerization, CI/CD pipelines, observability, monitoring, and solution delivery. Skilled in AWS, Kubernetes, Docker, Terraform, Jenkins, and Ansible with proven ability to optimize scalability, security, and performance. Strong experience in DevSecOps practices, automation frameworks, and client-facing delivery. Adept at building resilient, automated, and cloud-native environments supporting business growth.

EXPERIENCE:

1. Searce Inc. | Hyderabad, Telangana

→ **Cloud Engineer** | (Oct'24 - Present)

- Delivered cloud migration projects by designing and deploying scalable, cloud-native AWS infrastructures (EC2, S3, RDS, EKS, VPC, Load Balancers, IAM).
- Automated infrastructure provisioning using Terraform, Ansible & CloudFormation.
- Implemented CI/CD pipelines with Jenkins, GitHub, Docker, and ECR, improving release frequency and reliability.
- Built containerized microservices applications with Kubernetes orchestration (EKS).
- Strengthened DevSecOps with vulnerability scanning (Checkov) and Kubernetes policy enforcement (Kyverno).
- Enhanced observability with CloudWatch, Prometheus, and Grafana dashboards, alerts, and logs.
- Architected serverless solutions with AWS Lambda, API Gateway, and DynamoDB, enabling cost-optimized event-driven applications.
- Introduced GitOps workflows with ArgoCD & Helm for Kubernetes cluster deployments, achieving consistent and automated delivery.
- Improved high availability & fault tolerance by implementing multi-AZ RDS clusters, auto-scaling groups, and disaster recovery strategies.

2. Intellipaat Software Solutions Pvt Ltd | Bengaluru, Karnataka

→ **Technical Research Analyst (AWS Cloud & DevOps)** | (Aug'23 – Feb'24)

- Researched AWS & DevOps best practices for client projects, emphasizing automation and scalability.
- Conducted training on cloud migration, IaC, pipelines, and microservices deployments.
- Supported adoption of containerization, CI/CD, and DevOps methodologies, ensuring resilience and security.
- Designed end-to-end CI/CD training modules with Jenkins, GitHub Actions, and Kubernetes deployments, empowering 200+ learners with hands-on expertise.
- Delivered proof-of-concept implementations of cloud-native monitoring stacks (Prometheus, Grafana, ELK) tailored for enterprise DevOps pipelines.

SKILLS:

- Cloud Platforms:** Amazon Web Services (EC2, S3, RDS, Lambda, VPC, EKS, ECS, ECR, CloudFront, Route53, DynamoDB, CloudFormation, CloudWatch, IAM).
- Infrastructure & Migration:** IaC, Microservices, Serverless Architectures, Multi-Region Deployment, Backup & Disaster Recovery, High Availability, Cloud-native Design.
- Observability & Monitoring:** CloudWatch, Prometheus, Grafana, ELK Stack, AlertManager.
- Security:** DevSecOps, Vulnerability Scanning, IAM Best Practices, Security Groups, Policy Enforcement, CIS Benchmarks.
- DevOps & Automation:** Terraform, Ansible, Kubernetes, Docker, Jenkins, GitHub Actions, Helm, GitOps, CI/CD Pipelines, OpenShift.
- Languages & Databases:** Python, Bash, MySQL, Redis, PostgreSQL.
- Other:** Linux (Ubuntu, RedHat, Amazon Linux), Windows, Networking Protocols (TCP/IP, DNS, HTTP/S), Agile/Scrum, Client Engagement, Troubleshooting.
- Support:** Handling multiple clients via calls, sessions and resolving tickets.

PROJECTS:

1. Enterprise AWS Cloud Migration & Optimization:

- Tools/Services:** AWS Migration Hub, DMS, EC2, S3, RDS, CloudFormation, CloudTrail, CloudWatch, IAM.
- Migrated a multi-tier on-premise application to AWS with minimal downtime using AWS DMS and CloudFormation templates.
- Designed auto-scaling & load balancing architecture with EC2, ALB, and multi-AZ RDS for high availability.
- Implemented cost-optimization strategies via S3 lifecycle policies, Reserved Instances, and Trusted Advisor recommendations.
- Strengthened security & compliance with IAM least privilege policies, CloudTrail logging, and KMS encryption.

2. Enterprise AWS Cloud Migration & Optimization

- Tools/Services:** Jenkins, GitHub Actions, ArgoCD, Helm, Docker, Kubernetes (EKS), Prometheus, Grafana, Kyverno.
- Built a GitOps-driven CI/CD pipeline deploying microservices to EKS with Helm & ArgoCD for automated, version-controlled rollouts.
- Integrated Checkov & Kyverno into the pipeline for code quality, security, and compliance enforcement.
- Configured Prometheus & Grafana with alerting for end-to-end observability of Kubernetes workloads.
- Delivered 99.9% uptime through automated scaling, self-healing deployments, and proactive monitoring.

CERTIFICATIONS

- AWS Solutions Architect – Associate.
- Badge Link: <https://lnkd.in/guQzaC76>
- HashiCorp Certified: Terraform Associate (003)
- Badge Link: <https://shorturl.at/LRSRq>
- AWS Cloud Practitioner – Udemy
- MySQL - Udemy
- MERN Stack - FifthSchool

EDUCATION

• Lovely Professional University | Jalandhar, Punjab

B. Tech (CSE) - June'21 – May'24

Overall CGPA: 8.90

• Lovely Professional University | Jalandhar, Punjab

Diploma (CSE) - June'19 – May'21

Overall CGPA: 9.20