Mohammed Ahsan

PLATFORM ENGINEER

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- Hyderabad, IN
- in @ahsan12

EDUCATION

BTech | CSE | 2020

Jawaharlal Nehru Technological University.
Hyderabad, TS

SKILLS

Cloud & Infrastructure:
- AWS
- Terraform
- Kubernetes
- Docker

CI/CD & Security:
- Jenkins
- GitLab CI
- Argo CD
- RBAC

Automation & Scripting:
- Ansible
- Bash
- Linux
- Git
- Python

Observability & Monitoring:
- Prometheus
- Grafana
- Datadog

AI & Development:
- GitHub Copilot
- GenAI

CERTIFICATIONS

CNCF | JUL 2025

Certified Kubernetes Administrator (CKA)

AWS | DEC 2023

AWS Certified Solutions Architect – Associate

SUMMARY

Platform Engineer with 4+ years of experience in Kubernetes, AWS, and secure CI/CD automation. Skilled in Terraform, Argo CD, and EKS with a strong focus on cloud-native infrastructure, automation, and security best practices.

EXPERIENCE

System Engineer, TCS
NOV 2024 - PRESENT

- **Automated Terraform-based infrastructure provisioning and upgrades** (AWS, Helm, Kubernetes) with Terratest validation, leveraging AI-assisted code suggestions to improve deployment efficiency and reduce errors.
- **Designed and maintained GitLab CI pipelines** to automate terraform plan, deploy, and validation workflows, ensuring secure and consistent infrastructure delivery.
- **Build and standardized EKS Blueprint modules** with automated testing and validation, enabling faster cluster provisioning and improving platform reliability.
- **Migrated Kubernetes add-ons** from Helm on Fargate to EKS managed nodes with Argo CD, streamlining GitOps workflows and improving scalability.
- **Managed and troubleshot Kubernetes clusters** across environments (logs, events, networking, IP exhaustion, resource quotas), applying AI-assisted debugging for faster remediation.
- **Implemented Kubernetes security policies** (PDB, RBAC, Pod Security) to strengthen cluster compliance and enforce organizational security standards.
- **Authored technical documentation and runbooks** with AI-assisted content generation, accelerating onboarding and improving operational knowledge sharing.

Associate Consultant, Capgemini
APR 2021 - NOV 2024

- **Managed AWS cloud infrastructure** (EC2, EBS, ELB, ASG, IAM, VPC) with S3 versioning, cross-region replication, and backup automation.
- **Automated application deployments and server configurations** using Ansible playbooks and workflows, improving release speed and consistency.
- **Designed and maintained CI/CD pipelines** in Jenkins, integrating GitHub, Maven, and SonarQube for automated builds, deployments, and code quality checks.
- **Monitored infrastructure performance** and resolved issues using ELK Stack & Dynatrace, ensuring reliable system availability.