

# ASHOK KUNCHALA

AWS DevOps Engineer

Hyderabad, Telangana | +91 7095766206 | ashokkunchala10299@gmail.com

linkedin.com/in/ashok-kunchala-127820217 | github.com/Ashokkunchala | ashok-kunchala-portfolio.pages.dev

## PROFESSIONAL SUMMARY

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AWS DevOps Engineer with 3+ years of experience in cloud infrastructure, CI/CD pipeline development, container orchestration, and AWS platform operations. Proficient in Terraform, Docker, Kubernetes, Amazon ECS/EKS, Jenkins, GitHub Actions, and Python/Boto3 automation. Expertise in building scalable deployment pipelines, implementing Infrastructure as Code (IaC), reducing infrastructure costs through Spot Instances and EC2 Fleet strategies, and improving operational efficiency with centralized monitoring. AWS Certified Cloud Practitioner with strong experience in incident management, SLA/SLO-based monitoring, IAM security, and Agile/Scrum methodologies.

## TECHNICAL SKILLS

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**Cloud & AWS:** EC2, ECS, EKS, ECR, Lambda, VPC, IAM, S3, Route 53, CloudWatch, ALB, Auto Scaling, RDS, EFS, CloudFront, EC2 Fleet, Spot Instances, Security Groups, CloudTrail, WAF, NACLs, AWS Backup

**CI/CD & DevOps:** Jenkins, GitHub Actions, Argo CD, GitOps, Ansible

**Infrastructure as Code:** Terraform, AWS CloudFormation, Packer

**Containers & Orchestration:** Docker, Kubernetes, Helm, Amazon ECS, EKS, Fargate

**Monitoring & Observability:** CloudWatch, Grafana, Prometheus, Elasticsearch, OpenSearch, Kibana, OpsGenie

**Automation & Scripting:** Python, Boto3, Shell Scripting, Bash, AWS CLI

**Security & Governance:** IAM Policies, KMS, Secrets Manager, Trivy, Snyk, RBAC

**Other:** Linux, Git, Agile/Scrum, Incident Management, Cost Optimization, Disaster Recovery

## WORK EXPERIENCE

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**DevOps Engineer** | Loyalty Methods Pvt. Ltd | Hyderabad

Feb 2024 - Mar 2026

- Provisioned and managed AWS infrastructure (VPC, EC2, ECS, RDS, IAM, S3) using Terraform across dev, staging, and production, ensuring consistent and repeatable IaC deployments.
- Designed containerized workloads on Amazon ECS with EC2 and Fargate launch types supporting 12 microservices, achieving 99.9% production uptime through high-availability architecture.
- Built Jenkins CI/CD pipelines integrated with GitHub, Docker, and ECR, automating build-test-deploy workflows, reducing manual release effort by 40%, enabling 15+ weekly deployments across 3 environments.
- Managed full container lifecycle including build, tag, security scanning (Trivy/Snyk), and push to ECR for 12 application services.
- Developed Python Boto3 and Shell automation scripts for ECS validations, EC2/EBS cleanup, inventory auditing, and health checks, reducing operational overhead by 6 hours/week.
- Implemented Lambda-based event-driven automation with CloudWatch Events and SNS for alert handling and infrastructure maintenance.
- Configured centralized monitoring with CloudWatch, Grafana, and Kibana/Elasticsearch, improving MTTR by 30% with SLA/SLO-based dashboards across 12 microservices.
- Drove cost optimization via Spot Instances for non-production, EC2 Fleet for diversified provisioning, and right-sizing, reducing AWS spend by 25%.
- Supported GitOps deployments with Argo CD, validating Kubernetes manifests, monitoring rollout health, and managing environment configurations.
- Implemented backup and disaster recovery with AWS Backup, S3 lifecycle policies, and cross-region replication, ensuring RPO/RTO compliance.
- Established container image security scanning pipeline using Trivy and Snyk integrated with Jenkins and ECR, reducing vulnerabilities by 60%.
- Configured IAM roles, policies, and permission boundaries following least-privilege principles for ECS tasks, Lambda functions, and CI/CD pipelines.

## **DevOps Engineer** | Relevance Lab Pvt. Ltd | Bangalore

Oct 2022 - Oct 2023

- Provisioned AWS infrastructure using Terraform and CloudFormation across dev, staging, and production, ensuring IaC-driven consistency and auditability.
- Managed containerized workloads on Amazon EKS and Kubernetes with Deployments, Services, ConfigMaps, Secrets, Ingress, and Helm charts across 8 namespaces.
- Developed Jenkins CI/CD pipelines and Ansible playbooks to automate deployments and configuration, reducing deployment cycle time by 35%.
- Created optimized Golden AMIs for EKS worker nodes using Packer, improving node provisioning speed and deployment consistency.
- Implemented Lambda-based serverless automation and CloudFormation templating for event-driven cloud operations.
- Established centralized monitoring with CloudWatch, Grafana, Prometheus, and OpsGenie across 4 EKS clusters, reducing incident detection time by 40% with SLA-based alerting.
- Supported GitOps deployments on EKS using Argo CD with Kubernetes manifest validation and rollout health monitoring.
- Managed IAM roles, Kubernetes RBAC policies, and environment configurations for secure access and compliance.
- Participated in incident troubleshooting, root cause analysis, and platform reliability improvements in Agile/Scrum sprints, contributing to 15% improvement in service availability.

## **EDUCATION**

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**Bachelor of Commerce and Computers** | Acharya Nagarjuna University, Guntur | 2021

## **CERTIFICATIONS**

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- AWS Certified Cloud Practitioner
- AZ-900: Microsoft Azure Fundamentals
- GUVI Python Certification