

ASHOK KUNCHALA

AWS DevOps Engineer

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PROFESSIONAL SUMMARY

AWS Certified Cloud Practitioner | AWS DevOps Engineer with 3+ years of experience delivering 25% cost savings, 99.9% uptime, and 40% faster release cycles through IaC, CI/CD, and container orchestration.

KEY ACHIEVEMENTS

- Reduced AWS spend by 25% via Spot Instances and EC2 Fleet, saving \$15K+ annually across 3 environments.
- Improved MTTR by 30% using CloudWatch, Grafana, and SLA-SLO dashboards, reducing incident resolution from 45 minutes to 31 minutes.
- Cut manual release effort by 40% with Jenkins/GitHub Actions pipelines, enabling 15+ weekly deployments across 3 environments.
- Decreased container vulnerabilities by 60% through Trivy/Snyk scanning integrated with Jenkins/ECR, scanning 12+ images daily.
- Boosted deployment consistency by 95% with Packer-built Golden AMIs for EKS worker nodes, reducing provisioning time from 20 minutes to 1 minute.
- Automated 10+ operational tasks with Python/Boto3 scripts, saving 6 hours/week of manual effort.
- Reduced deployment cycle time by 35% through Ansible playbooks and Jenkins automation.
- Achieved 99.9% uptime across 12 microservices through high-availability architecture and proactive monitoring.

TECHNICAL SKILLS

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

CERTIFICATIONS

- GUVI Python Certification
- Microsoft Azure Fundamentals (AZ-900)
- AWS Certified Cloud Practitioner (CLF-C01)

WORK EXPERIENCE

DevOps Engineer | Loyalty Methods Pvt. Ltd, Hyderabad

02/2024 - 03/2026

- 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

10/2022 - 10/2023

- 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 a 15% improvement in service availability.

EDUCATION

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