

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. Experienced in cloud strategy, TCO analysis, and building new capabilities for cloud environments. Served as trusted advisor to customer executives on cloud adoption, security, and operational excellence. Skilled in collaboration with cross-functional teams.

KEY ACHIEVEMENTS

- Led cloud migration initiative for 15+ workloads using AWS Migration Hub, Application Migration Service, and Database Migration Service, achieving 40% cost reduction and zero-downtime cutover.
- Reduced AWS spend by 25% via Spot Instances and EC2 Fleet, saving 5K+ annually across 3 environments through TCO analysis and cost optimization strategy.
- Improved MTTR by 30% using CloudWatch, Grafana, and SLA-SLO dashboards, reducing incident resolution from 45 minutes to 31 minutes in regulated environments.
- Cut manual release effort by 40% with Jenkins/GitHub Actions pipelines, enabling 15+ weekly deployments across 3 environments with automated security and compliance checks.
- Decreased container vulnerabilities by 60% through Trivy/Snyk scanning integrated with Jenkins/ECR, maintaining compliance with industry security standards.
- Boosted deployment consistency by 95% with Packer-built Golden AMIs for EKS worker nodes, reducing provisioning time from 20 minutes to 1 minute.
- Developed and presented cloud migration business cases to executive stakeholders, conducting TCO analysis and cost-benefit assessments for cloud transformation roadmap.
- Collaborated with cross-functional stakeholders to align cloud transformation goals, building new capabilities and driving operational excellence.

TECHNICAL SKILLS

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

CI/CD & DevOps: Jenkins, GitHub Actions, Argo CD, GitOps, Ansible, Continuous Delivery, Environment Management

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, Security Controls, Compliance

Other: Linux, Git, Agile/Scrum, Incident Management, Cost Optimization, Cost Efficiency, Disaster Recovery, Change Management, Performance Optimization

CERTIFICATIONS

- AWS Certified Solutions Architect - Associate (In Progress)
- AWS Certified Cloud Practitioner (CLF-C01)
- Microsoft Azure Fundamentals (AZ-900)
- GUVI Python Certification

WORK EXPERIENCE

DevOps Engineer | Loyalty Methods Pvt. Ltd, Hyderabad

02/2024 - 03/2026

- Led cloud migration strategy and roadmap development for legacy workloads, creating engineering design patterns and migration roadmaps, using AWS Migration Hub, Application Migration Service (MGN), and Database Migration Service (DMS) with rehost, replatform, and refactor strategies.
- Provisioned and managed AWS infrastructure (VPC, EC2, ECS, RDS, IAM, S3) using Terraform across dev, staging, and production, ensuring consistent and repeatable IaC deployments following cloud architecture best practices.
- Designed scalable, secure, and high-performing cloud architectures for 12 microservices on Amazon ECS with EC2 and Fargate launch types, 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, implementing security practices for compliance.
- 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.
- Configured centralized monitoring with CloudWatch, Grafana, and Kibana/Elasticsearch, improving MTTR by 30% with SLA/SLO-based dashboards across 12 microservices in regulated environments, ensuring performance optimization.
- Drove cost optimization via Spot Instances for non-production, EC2 Fleet for diversified provisioning, and right-sizing, reducing AWS spend by 25% and improving cost efficiency across cloud environments.
- Developed and presented cloud migration business cases to executive stakeholders, conducting TCO analysis and cost-benefit assessments for cloud transformation roadmap.
- Collaborated with cross-functional stakeholders including business leaders, technical teams, and partners to align cloud transformation goals and build new capabilities for cloud environments.
- 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% and maintaining security practices for compliance.
- Configured IAM roles, policies, and permission boundaries following least-privilege principles for ECS tasks, Lambda functions, and CI/CD pipelines, ensuring security, data privacy, and compliance in regulated environments.

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.
- Collaborated with cross-functional teams to assess legacy infrastructure, identifying migration candidates and developing replatform/refactor strategies for cloud transformation.
- Contributed to business case documentation for cloud adoption, analyzing total cost of ownership and presenting recommendations to technical leadership.

EDUCATION

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