

ASHOK KUNCHALA

AWS DevOps Engineer

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PROFESSIONAL SUMMARY

DevOps Engineer with 3+ years of experience in cloud infrastructure automation, CI/CD, container orchestration, and AWS platform operations across Retail/E-commerce environments. Expertise in Terraform, Docker, Kubernetes, Amazon ECS/EKS, Jenkins, GitHub Actions, and Python/Boto3 automation. Proven track record of building scalable deployment pipelines, implementing IaC, reducing infrastructure costs through Spot/EC2 Fleet strategies, and improving operational efficiency with observability and monitoring solutions. AWS Certified Cloud Practitioner. Experienced in Agile/Scrum methodologies, SLA/SLO-based monitoring, and cloud security best practices including IAM policies, Security Groups, and encryption.

TECHNICAL SKILLS

Cloud & AWS Services: EC2, ECS, EKS, ECR, Lambda, VPC, IAM, S3, Route53, CloudWatch, ALB, Auto Scaling, RDS, EFS, CloudFront, EC2 Fleet, Spot Instances, Security Groups, CloudTrail, WAF, NACLs

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

Infrastructure as Code: Terraform, AWS CloudFormation, Packer

Containerization & Orchestration: Docker, Kubernetes, Amazon ECS, Amazon EKS, Helm

Cost Optimization: AWS Spot Instances, EC2 Fleet, Savings Plans, Auto Scaling, Right-sizing

Monitoring & Observability: CloudWatch, Grafana, Prometheus, Elasticsearch/OpenSearch, Kibana, OpsGenie, SLA/SLO Monitoring

Automation & Scripting: Python (Boto3), Shell Scripting (Bash)

Version Control & OS: Git, GitHub, Linux (RHEL, Ubuntu, CentOS)

Methodologies & Practices: Agile (Scrum), GitOps, CI/CD, Incident Management, Cost Optimization, Security Best Practices

WORK EXPERIENCE

Loyalty Methods Pt. Ltd — DevOps Engineer | Feb 2024 - Mar 2026 | Hyderabad

Product: RCX Tech

- Provisioned and managed scalable AWS infrastructure (VPC, EC2, ECS, RDS, IAM, S3) using Terraform across dev, staging, and production, ensuring environment consistency and repeatable deployments.
- Designed and deployed containerized workloads on Amazon ECS (EC2 + Fargate launch types) supporting 12 microservices, achieving 99.9% uptime for production services.
- Built and maintained Jenkins CI/CD pipelines integrated with GitHub, Docker, and Amazon ECR, automating build, test, and deployment workflows and reducing manual release effort by 40% and enabling 15+ weekly deployments across 3 environments.
- Managed full container lifecycle — built, tagged, scanned (Trivy/Snyk), and pushed Docker images for 12 application services across multiple environments.
- Developed Python (Boto3) and Shell automation scripts for ECS service validations, EC2/EBS cleanup, inventory auditing, and infrastructure health checks, reducing manual operational overhead by 6 hours/week across 20+ EC2 instances.
- Implemented AWS Lambda-based event-driven automation with CloudWatch Events and SNS for alert handling and infrastructure maintenance tasks.
- Configured centralized monitoring and alerting with CloudWatch, Grafana, and Kibana/Elasticsearch, improving MTTR by 30% with SLA/SLO-based dashboards enabling faster root-cause analysis across 12 distributed microservices.
- Drove cost optimization — implemented Spot Instances for non-production workloads, EC2 Fleet for diversified provisioning, and right-sized EC2/EBS resources, reducing overall AWS spend by an estimated 25%.
- Supported GitOps-driven deployments with Argo CD, validating manifests, monitoring rollout health, and managing environment-specific configurations across multiple stages.
- Implemented automated backup and disaster recovery strategies using AWS Backup, S3 lifecycle policies, and cross-region replication, ensuring RPO/RTO compliance for critical data and services.
- Established container image security scanning pipeline using Trivy and Snyk integrated with Jenkins and Amazon ECR, reducing vulnerabilities by 60% across 12 application microservices.

- Configured IAM roles, policies, and permission boundaries following least-privilege principles, managing cross-account access and service-specific roles for ECS tasks, Lambda functions, and CI/CD pipelines.

Relevance Lab Pt. Ltd – DevOps Engineer | Oct 2022 - Oct 2023 | Bangalore

Project: Carene Tech

- Provisioned and managed AWS infrastructure using Terraform and CloudFormation across dev, staging, and production environments, ensuring IaC-driven consistency and auditability.
- Managed and scaled containerized workloads on Amazon EKS and Kubernetes (K8s) clusters supporting microservices architecture, including Deployments, Services, ConfigMaps, Secrets, Ingress controllers, and Helm charts across 8 namespaces.
- Developed Jenkins CI/CD pipelines and Ansible playbooks to automate application deployments and infrastructure configuration, reducing deployment cycle time by 35%.
- Created optimized Golden AMIs for EKS worker nodes using Packer, improving node provisioning speed and deployment consistency across the cluster fleet.
- Implemented AWS Lambda-based serverless automation and CloudFormation templating for event-driven cloud operations and scheduled maintenance tasks.
- Established centralized monitoring and proactive alerting using CloudWatch, Grafana, Prometheus, and OpsGenie, monitoring 4 EKS clusters and reducing incident detection time by 40% with SLA-based alerting thresholds.
- Supported GitOps-based deployments on Amazon EKS using Argo CD, validating manifests, monitoring rollout health, and ensuring consistent delivery across environments.
- Managed IAM roles, Kubernetes RBAC policies, and environment-specific configurations to maintain secure access controls and compliance with cloud security best practices.
- Participated in incident troubleshooting, root cause analysis, and platform reliability improvements within Agile/Scrum sprint cycles, contributing to 15% improvement in service availability over the engagement.

EDUCATION

Bachelor of Commerce and Computers | 2021

Acharya Nagarjuna University, Guntur

CERTIFICATIONS

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