

Ramesh Kanna G

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EXECUTIVE SUMMARY

DevOps professional with 4 months of hands-on experience at AccuKnox, working with Kubernetes, Helm, production recovery, and Linux operations. AWS Certified Cloud Practitioner currently pursuing MCA with a focus on cloud-native automation.

TECHNICAL SKILLS

Cloud Platforms:	AWS (EC2, EKS, ECS, ECR, VPC, RDS, Lambda), GCP (GKE, Compute Engine)
Containerization and Orchestration:	Docker, Kubernetes, Amazon EKS
Database Technologies:	MongoDB, PostgreSQL
Web Servers and Infrastructure:	Apache Web Server, Nginx, Linux Systems
Configuration Management:	Terraform, Ansible (basic)
Monitoring and Logging:	AWS CloudWatch, Prometheus
DevOps and CI/CD:	Jenkins, Git, GitHub
Programming Languages:	Python (OOP)
Soft Skills:	Team Collaboration, Problem Solving

PROFESSIONAL EXPERIENCE

AccuKnox Inc. - DevOps Engineer Trainee

Sep 2025 - Jan 2026

[K8s, Helm, GitHub Actions, DevOps]

- Set up and validated multi-node Kubernetes clusters using k0s on Amazon Linux 2023 EC2 instances to support internal platform deployment and testing.
- Automated node preparation and cluster bootstrap using shell scripts and declarative k0s configuration files to reduce manual setup effort.
- Deployed platform services using Helm and verified cluster stability, persistent storage, and service accessibility.
- Contributed to India region platform disaster recovery by restoring databases, secrets, storage, and microservices on Kubernetes.
- Executed database recovery for PostgreSQL, MongoDB, Vault, and Neo4j using S3-based backups and Kubernetes-native restore workflows.
- Validated full platform restoration through DNS mapping, HTTPS access, pod health checks, and service-level verification.

PearlThoughts - DevOps Engineer (Contract)

May 2025 - Jun 2025

- Contributed to the Always Tile project by automating infrastructure provisioning and CI/CD workflows for an email automation feature.
- Designed and implemented modular Terraform code to provision GCP services including Cloud Storage buckets, IAM roles, Cloud Run services, and Pub/Sub messaging.
- Automated CI/CD pipelines using GitHub Actions to handle build, test, and deployment processes for the email automation feature.
- Reduced manual configuration effort and human error by standardizing infrastructure as code.
- Improved deployment reliability and accelerated the development lifecycle through automation.

PROJECTS

Medusa Backend Deployment

Apr 2025

[AWS, Terraform, GitHub Actions, Docker, DevOps]

- Deployed the open-source Medusa.js backend on AWS ECS using a fully automated CI/CD pipeline with Terraform and GitHub Actions.
- Provisioned scalable AWS infrastructure using Terraform including VPC, ALB, ECS Fargate, RDS PostgreSQL, IAM, and CloudWatch.
- Built and optimized multi-stage Docker images, reducing image size from 1.06 GB to 154 MB before pushing to Docker Hub.
- Implemented secure networking and access control using IAM roles, security groups, and environment variables.
- Resolved build and database migration issues by fixing admin build paths and updating RDS parameter group configurations.

CERTIFICATION & ACHIEVEMENTS

AWS Certified Cloud Practitioner | Amazon

2025 - 2028

Implementation DevOps with AWS | Infosys

Nov 2024

EDUCATION

Master of Computer Applications (DevOps Focus) | Expected: **2028**

Jain Deemed to be University, Bengaluru, Karnataka, India

Bachelor of Science in Visual Communication | **GPA 7.79**

2019 - 2022

Annai College of Arts and Science, Kumbakonam, Tamil Nadu, India