

SANGAMESH BELAWADI

DevOps Engineer

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SUMMARY

DevOps Engineer with **5+ years of experience** in designing, automating, and managing scalable cloud infrastructure on AWS. Proven expertise in Infrastructure as Code (CloudFormation, Terraform), CI/CD pipelines, and container orchestration using Kubernetes. Strong background in handling stateful workloads (EBS/EFS), implementing zero-downtime deployments, and optimizing system performance. Experienced in production troubleshooting, monitoring (CloudWatch, JMX, Splunk), and building highly available and resilient systems.

EXPERIENCE

AIML Collaboration Architecture Project | DevOps Engineer

April 2025 – Present

Intrelligent Solutions Private Limited

- Architected and deployed highly available, fault tolerant AWS Infrastructure for Atlassian applications (Jira, Confluence) using AWS CloudFormation, supporting production-grade workloads
- Engineered scalable compute layer using Amazon EC2 integrated with Amazon Aurora PostgreSQL (RDS), ensuring optimized database connectivity and performance
- Engineered Infrastructure as Code pipelines using AWS CLI, Shell Scripting, enabling dynamic CloudFormation stack provisioning and reducing manual effort by 80%
- Designed and implemented AMI-based blue/green-like instance replacement strategy, ensuring zero data loss via automated EBS detachment and reattachment workflows
- Enabled in-place application version upgrades using cfn-init and cfn-hup, eliminating unnecessary instance recreation and reducing downtime
- Managed persistent storage lifecycle using Amazon EBS (auto-detection, resize, attach/reuse) and Amazon EFS for shared storage across nodes
- Implemented observability pipeline using Amazon CloudWatch, JMX metrics (Heap, GC, Threads), AWS Lambda, and SNS alerts, improving system visibility and proactive incident response
- Deployed and configured Splunk Universal Forwarder for centralized log aggregation and analysis, enabling faster troubleshooting and root cause analysis
- Optimized deployment workflows, reducing provisioning time by 40% through automation and scripting enhancements
- Designed end-to-end architecture for Atlassian applications on AWS, incorporating compute, storage, networking, and observability components

Tech Stack: CloudFormation, CloudWatch, Splunk, RDS, SNS, Lambda, IAM, EC2, Jira, Confluence

Geospatial Data Analysis Platform Project

Feb 2021 – March 2025

Unizen Solutions Private Limited | DevOps Engineer

- Designed and maintained CI/CD pipelines using Jenkins, enabling automated build, test, and deployment workflows, improving deployment speed and consistency across environments
- Containerized applications using Docker, ensuring environment parity across development, staging, and production, reducing deployment-related issues

- Authored and maintained Terraform IaC modules for provisioning infrastructure across 3 environment (dev, test, and production), enabling repeatable, version-controlled deployments
- Deployed and managed containerized workloads on Kubernetes, implementing scaling, rolling updates, and high availability strategies
- Actively participated in incident management and production troubleshooting, reducing downtime and improving system reliability through root cause analysis and quick resolution
- Coordinated and executed release management processes, ensuring smooth, zero-downtime deployments across environments

Tech Stack: AWS, Kubernetes, Terraform, Docker, CI/CD

SKILLS

- Cloud Platforms: AWS (EC2, RDS, EBS, EFS, VPC, IAM, CloudWatch, Lambda, SNS, S3, Route 53, EKS, ECR, CloudTrail)
- Infrastructure as Code: CloudFormation, Terraform
- CI/CD & GitOps: Jenkins, Argo CD
- Containerization & Orchestration: Docker, Kubernetes, Helm
- Configuration Management: Ansible
- Scripting & Automation: Shell Scripting (Bash), AWS CLI
- Monitoring & Observability: CloudWatch, JMX, Splunk, Prometheus, Grafana
- Database: Aurora PostgreSQL (RDS)
- Networking & Security: VPC, Subnets, Route Tables, NAT Gateway, Security Groups, NACLs
- Version Control: Git
- Operating Systems: Linux, Windows
- Collaboration and Documentation: Jira, Confluence

EDUCATION

Bachelor's Of Computer Application (BCA)

2017 - 2020

Karnatak University Dharwad

Pre University College

2015 – 2017

Sachethana SC Science PU College

SSLC

2015

R.Y.E.S SG Shintri English Medium High School