

# Srinath Karkampally

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## Summary

Here's an optimized version of your profile summary in 10 points:

1. DevOps & AWS Expertise: 2.4 years of experience in Networking, Build and Release/DevOps Engineering, focusing on DevOps tools and AWS Cloud Architecture.
2. CI/CD Implementation: Extensive experience with CI/CD pipelines using Jenkins, automating the entire application deployment lifecycle, and managing Jenkins jobs for end-to-end application deployment.
3. Infrastructure as Code (IaC): Hands-on experience with Terraform for consistent, scalable, and reliable infrastructure deployments, including designing and implementing Terraform modules and templates.
4. Containerization: Proficient in Docker, including managing containers, images, and communication between containers; knowledge of Docker Swarm and Stack.
5. Kubernetes Orchestration: Deployed and managed Kubernetes clusters, configured resources like Pods, Deployments, Services, and Ingress, and implemented best practices for high availability, scalability, and efficient resource utilization.
6. Monitoring & Automation: Implemented monitoring solutions with Prometheus and Grafana; automated repetitive tasks using scripting languages and configuration management tools like Ansible.
7. AWS Cloud Services: Hands-on experience with AWS services like IAM, VPC, EC2, S3, Elastic Block Storage, Elastic Load Balancer, Autoscaling Groups, and Elastic Beanstalk; proficient in storing artifacts in S3 buckets with versioning and cross-region replication.
8. Linux & Web Servers: Experience with Linux (Ubuntu and RedHat) operating systems and web servers like Apache2 and Nginx; worked with databases like RDS.
9. Collaboration & Efficiency: Collaborated with development and operations teams to streamline release cycles, improve deployment processes, and ensure smooth operation of the software development lifecycle.
10. Security & Best Practices: Implemented Kubernetes best practices for container orchestration, including rolling updates, auto-scaling, and load balancing, resulting in improved application reliability and performance.

## Work experience

**Exyte** 2022-01 - present

### DevOps Engineer

Environment: AWS Cloud, Git, Maven, Jenkins, Docker, Kubernetes, Apache Tomcat & Terraform

#### ROLES & RESPONSIBILITIES:

1. CI/CD Pipelines: Designed and maintained CI/CD pipelines using Jenkins for automated code compilation, testing, and deployment.
2. Docker Management: Created and optimized Docker files, built custom images, and pushed them to Docker Hub; used Trivy for image scanning.
3. Kubernetes Orchestration: Deployed and managed Kubernetes clusters, ensuring high availability, scalability, and efficient resource utilization.
4. Kubernetes Configuration: Configured resources like Pods, Deployments, Services, Ingress, PV & PVC, and created Namespaces for service isolation.
5. Issue Resolution: Troubleshoot and resolved Kubernetes-related issues, maintaining application reliability and minimizing downtime.
6. Monitoring Solutions: Implemented Prometheus and Grafana for system performance tracking, metrics collection, and data visualization.
7. AWS Infrastructure: Deployed and managed AWS infrastructure using services like EC2, S3, VPC, ELB, and Autoscaling groups with Terraform.
8. Automation: Automated infrastructure provisioning with Terraform and reduced manual tasks using scripting languages and configuration management tools.

## Education

### CMR COLLEGE OF ENGINEERING AND TECHNOLOGY

#### Bachelor of Technology

CMR COLLEGE OF ENGINEERING AND TECHNOLOGY

Bachelor of Technology (Electronics and Communication Engineering)

## Objective

To work as a DevOps Engineer in environment growth for my career which leads to further growth in my professional skills and personal satisfaction by utilising my skills and ability to work for the growth of an organisation.

## Certifications

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- \* AWS Certified Cloud Practitioner
- AWS Certified Cloud Practitioner

## Objective

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To work as a DevOps Engineer in environment growth for my career which leads to further growth in my professional skills and personal satisfaction by utilising my skills and ability to work for the growth of an organisation.

## Qualifications

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### SKILLS:

- SCM Tools: Git, GitHub, BitBucket
- Build Tool: Maven
- CI/CD: Jenkins
- Containerization: Docker, Kubernetes
- Infra As Code: Terraform
- Configuration Management: Ansible
- Monitoring: Prometheus & Grafana
- OS: Windows & Linux
- Cloud: AWS

### STRENGTHS:

- Team Player
- Adaptability
- Quick learner

## Certifications

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- \* AWS Certified Cloud Practitioner
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