

JAMANJYOTHI SAI KRISHNA

JUNIOR AWS DEVOPS ENGINEER

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PROFESSIONAL SUMMARY

DevOps Engineer with expertise in AWS cloud infrastructure, containerization, and automation. Skilled in Kubernetes, Docker, Terraform, and CI/CD pipelines, with experience in provisioning infrastructure as code and optimizing deployments. Adept at Linux system administration, scripting, and database management, aiming to leverage a strong DevOps foundation for impactful, scalable solutions.

SKILLS

- **Cloud Platforms:** AWS (EC2, S3, Lambda, ECS, EKS, IAM, CloudWatch), Azure
- **Containerization & Orchestration:** Docker, Kubernetes
- **Infrastructure as Code (IaC):** Terraform, AWS CloudFormation
- **CI/CD & Build Management:** Jenkins, AWS CodePipeline, SonarQube, Maven
- **Programming & Scripting:** Python, Bash
- **Operating Systems:** Linux (Ubuntu, Amazon Linux)
- **Database & Storage Management:** SQL, NoSQL, S3
- **Monitoring & Logging:** Prometheus, Grafana, AWS CloudWatch
- **Version Control:** Git, GitHub

PROFESSIONAL EXPERIENCE

DevOps Intern

Vajra.ai, Hyderabad (mar 2024 - aug 2024)

- Managed AWS services (EC2, S3, ECS, EKS) for reliable and high-availability deployments.
- Developed automated CI/CD pipelines using Jenkins, enhancing deployment speed and consistency.
- Configured and optimized Docker and Kubernetes environments for application containerization and orchestration.
- Deployed infrastructure as code using Terraform and CloudFormation, facilitating scalable, repeatable infrastructure.
- Utilized AWS CloudWatch and Prometheus for proactive monitoring and system performance management.
- Strengthened security and availability by configuring VPC, security groups, and load balancing with Route 53.

EDUCATION

2020 - 2024 B.tech Mechanical at GKV HARIDWAR **AFFILIATED BY IIIT HARIDWAR**

(GPA: 8.5/10.0)

2020 (Class 12th)Telangana board

(Percent: 80)

2018 (Class 10th) Telangana board

(Percent: 75)

CERTIFICATIONS

- **AWS Certified Solutions Architect** – [Associate social prachar](#)
- **Kubernetes Fundamentals by CNCF (In Progress)**

PROJECTS

CI/CD Pipeline for Microservices Deployment

- Designed and deployed a CI/CD pipeline using Jenkins and Git for automating the deployment of containerized microservices in AWS ECS.

Container Orchestration with Kubernetes

- Deployed containerized applications using **Kubernetes** on **AWS EKS**, optimizing resource allocation and enhancing scalability and resilience for high-traffic applications. Configured autoscaling and self-healing mechanisms to maintain consistent application performance.

Docker-Based Microservices Architecture

- Designed and containerized microservices using **Docker** to streamline application deployment and simplify infrastructure, providing a robust and isolated environment for each service. Enhanced development workflows by enabling faster builds and improved isolation across microservices.

3-Tier WordPress Application Deployment with Docker and Kubernetes

- Deployed a **3-tier WordPress application** using **Docker** and **Kubernetes**, separating the application, database, and storage layers to ensure scalability and efficient resource management. Utilized **Kubernetes** orchestration for automated scaling, load balancing, and high availability, ensuring optimal performance and data integrity across all tiers.

TECHNICAL TOOLS

- **Cloud Platforms:** AWS, Azure.
- **CI/CD Tools:** Jenkins, AWS CodePipeline
- **Containerization & Orchestration:** Docker, Kubernetes
- **Monitoring & Logging:** Prometheus, Grafana, AWS CloudWatch
- **Version Control & Collaboration:** Git, GitHub.
- **Scripting Languages:** Python.