NEERAJ CHANDRA NAKKA

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Hyderabad, India | LinkedIn | GitHub | Portfolio

PROFESSIONAL SUMMARY

DevOps and Cloud Engineer specializing in AWS infrastructure, Kubernetes orchestration, CI/CD automation, and Infrastructure as Code. Experienced in building scalable cloud-native systems and automating deployments using GitOps workflows. Strong hands-on experience with Terraform, Docker, Jenkins, ArgoCD, Prometheus, and Grafana. Skilled in high-availability architectures and driving operational efficiency through automation.

TECHNICAL SKILLS

Cloud & Infrastructure: AWS (EC2, S3, VPC, IAM, EKS, ECR, Lambda, CloudWatch)

DevOps & Automation: Jenkins, GitHub Actions, GitLab CI, ArgoCD, GitOps, Ansible, Shell Scripting, DevSecOps

Containers & Orchestration: Docker, Kubernetes, Helm

Infrastructure as Code: Terraform, CloudFormation

Monitoring: Prometheus, Grafana, Alertmanager, ELK Stack

Version Control: Git, GitHub, GitLab

Programming: Java, Shell Scripting, YAML

Databases: MongoDB, PostgreSQL, MySQL

Methodologies: Agile/Scrum, Microservices, CI/CD, DevOps Culture

PROFESSIONAL EXPERIENCE

Cloud-Native Web Application Platform

GitHub: https://github.com/neerajnakka/amazon-clone-k8s-eks-argoCD
Technologies: AWS EKS, Kubernetes, Docker, Jenkins, Terraform, ArgoCD, Prometheus, Grafana

- Implemented automated CI/CD pipelines using Jenkins, reducing deployment time by 60%
- Architected scalable cloud-native application using AWS EKS and Kubernetes
- Deployed Infrastructure-as-Code solutions using Terraform for AWS resources (EC2, S3, VPC)
- Established GitOps workflow with ArgoCD for continuous deployment
- Configured monitoring systems with Prometheus and Grafana, achieving 99.8% system uptime
- Optimized Kubernetes resource allocation, reducing cloud infrastructure costs by 35%

MERN Chat App – Docker & Kubernetes Deployment

GitHub: https://github.com/neerajnakka/mern_chatapp_devops
Technologies: MERN Stack, Docker, Kubernetes, Nginx, MongoDB, AWS

- Built a real-time chat application using the MERN stack, deployed as a 3-tier containerized system with Docker and Kubernetes
- Containerized frontend, backend, and MongoDB using Docker for portability and scalability
- Configured Nginx reverse proxy for routing and static file delivery across services
- Deployed using Kubernetes Deployments, Services, and Ingress for scalability and load balancing
- Secured configurations via Kubernetes Secrets and hosted on AWS with public access
- Automated builds and deployments via Docker Hub and YAML manifests for continuous delivery

EDUCATION

Bachelor of Technology (B.Tech) in Computer Science
CVR College of Engineering, Hyderabad | 2019-2023

CERTIFICATIONS

Database Programming Oracle