Karthikeyan A

DevOps Engineer | AWS | CI/CD | Kubernetes

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Summary

DevOps Engineer with hands-on experience in AWS cloud infrastructure, CI/CD automation, containerization, Kubernetes orchestration, and monitoring. Skilled in building scalable, secure, and highly available systems using DevOps best practices.

Technical Skills

AWS: EC2, EKS, ECR, S3, RDS, IAM, VPC, Route 53 | CI/CD: Jenkins, GitHub Actions, Git | Containers: Docker, Kubernetes | Automation: Terraform, Ansible | Monitoring: Prometheus, Grafana | Scripting: Bash, Python | OS: Linux | DB: MySQL

Experience

Wipro Technologies – Analyst | Dec 2023 – Present | Coimbatore
• Supported CI/CD pipelines using Jenkins and GitHub Actions
• Provisioned AWS infrastructure using Terraform (EC2, S3, IAM)
• Containerized applications using Docker and automated Linux tasks using shell scripts

Projects

Online Food Delivery Platform (Zomato-like)
• Built an end-to-end CI/CD pipeline using Jenkins, Docker, and Kubernetes (AWS EKS)
• Deployed containerized microservices on EKS with auto-scaling enabled
• Implemented real-time monitoring using Prometheus and Grafana

Online Ticketing Platform (BookMyShow-like)
• Automated build, test, and deployment pipelines using Jenkins and Docker
• Used Ansible to automate Kubernetes deployments across environments
• Integrated TestNG testing and monitoring with Prometheus and Grafana

AWS 3-Tier Web Application
• Designed a secure 3-tier AWS architecture using S3, EC2, and RDS
• Implemented VPC networking with public/private subnets and security groups
• Configured IAM roles and Route 53 custom domain for secure access

Education

B.E. Computer Science Engineering | Anna University (BIT Campus), Trichy | 2020 – 2023