MANJULA R

DevOps Engineer

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CAREER SUMMARY:

As a motivated DevOps Engineer with over two years of hands-on experience, I specialize in automating and optimizing deployment pipelines across diverse platforms. My expertise lies in problem-solving and adapting to dynamic environments, driving productivity through workflow enhancements. I am passionate about embracing emerging technologies to create scalable, secure systems, and I am committed to continuous learning and improvement.

WORK EXPERIENCE:

itTRIDENT
DevOps Engineer | June 2024 - Present

- Managed AWS cloud infrastructure, including maintenance of EC2 instances, S3 buckets, configuration of ECS and EKS, and optimization of VPC settings, Route53, DynamoDB, and Identity center (SSO).
- Automated application deployments through AWS cloud-native pipeline, significantly reducing deployment time.
- Developed AWS infrastructure using CloudFormation and Terraform for Infrastructure as Code (IaC).
- Managed IAM users, policies, and roles for access control.
- Utilized Cloud Build YAML for deploying applications across various GCP services such as Cloud Run, Cloud Storage, Compute Engine, and Cloud Registry.
- Employed AWS Code Commit, GCP's Source Repository, Azure Repo, and GitHub for source code management.
- Deployed applications into Kubernetes orchestration and utilized Helm package manager.

itTRIDENT
Junior DevOps Engineer | Dec 2021 - May 2022

- As a Junior DevOps professional, I specialize in the seamless deployment of open-source projects.
- Fine-tuned Docker setups and Docker Compose configurations for smooth project launches.
- Demonstrated proficiency in agile deployment methods by deploying React and Node.js applications onto EC2 instances using Jenkins pipelines.
- Deployed a forum application on EC2 instances utilizing an Ansible playbook.
- Utilized Docker Swarm for container orchestration and clustering, enhancing management of Docker containers.

PROJECTS:

SIT
Deployed a MERN (MongoDB, Express.js, React.js, Node.js) application on AWS ECS using GitHub Actions. Additionally, I configured ACM (AWS Certificate Manager) to ensure secure browsing access
Tools: AWS ECS • GitHub • Docker • AWS ECR

VOLUNTEER MANAGEMENT APP
Orchestrated the deployment of the app on AWS ECS, ensuring its availability, while also overseeing the successful launch of Android and iOS versions on the Google Play Store and Apple App Store, expanding its accessibility across platforms
Tools: AWS ECS • GitHub Action • Docker • Android • IOS

LUFI
Dockerized the application and deployed it.
Tools: Docker • Docker Compose

FLUXBB
Dockerized the application and efficiently deployed FluxBB forums on Hetzner using Terraform's Infrastructure as Code (IaC) in conjunction with Ansible for efficient configuration management
Tools: Ansible • Terraform • Hetzner

HYPERTEXT-EDITOR
Dockerized the application and submitted a PR
Tools: Docker

IRIS-WEB
Drafted the helm chart for the Iris-web application and contributed to the deployment of iris-web. My helm chart for iris-web has been merged into the repository.
Tools: Kubernetes • AWS EKS • Helm

KANBAN-BOARD
Drafted a Kubernetes YAML manifest for this full-stack application and deployed the web application into Kubernetes.
Tools: AWS EKS

PYSECCOMP-PLAYGROUND
Python scripts that have been seccomp'd via the libseccomp python library
Tools: Python • python-libseccomp

THEHIVE
Drafted Helm charts for the TheHive application and submitted the pull request, contributing to the project's infrastructure
Tools: AWS EKS • Helm

CERTIFICATIONS:

AWS Certified DevOps Engineer - Professional

SKILLS:

- **Version Control:** GitHub, Bitbucket, Git
- **Cloud Platform's:** AWS, Azure
- **CI/CD:** Jenkins, GitHub Actions
- **Script:** Python, Groovy, Bash
- **Container/Orchestration:** Docker & Kubernetes
- **IAC:** Terraform, CloudFormation
- **Operating Systems:** Linux

EDUCATION:

2016 - 2020 | AVS Engineering Colleage

Bachelor's degree in electronic and communication engineering