CHINMAYI HIREMATH

DevOps Engineer

I'm a DevOps and Cloud enthusiast. My objective is to make a career in a professionally stimulating environment and develop myself on professional and personal front through constant interaction with people.

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Github: https://github.com/

WORK EXPERIENCE

DevOps Intern

AI Variant

Duration: March 2024 - August 2024

- Proficient in automating CI/CD pipelines using tools like Jenkins, Docker, Kubernetes, and Argo CD, improving deployment efficiency.
- Skilled in designing and managing cloud infrastructure on AWS, ensuring high availability, scalability, and cost optimization.
- Extensive experience in containerizing applications and orchestrating deployments, enhancing resource utilization and reducing downtime.
- Adept at automating infrastructure and processes using Ansible, Terraform, and shell scripting to improve efficiency and minimize errors.

Non IT Recruiter

Careernet Consultancy

Duration: 13 May 2022 - 13 October 2023

- Expertise in sourcing, interviewing, and selecting candidates to meet organizational needs.
- Strong skills in negotiating offers and compensation packages to attract top talent while aligning with company budgets.
- Strong verbal and written communication skills for effective candidate interaction and stakeholder collaboration

EDUCATION

BSC in Computer Science

R T E S College (Dharwad University, Karnataka)

Year of passing: 2021

PUC

KLE's Raj Rajeshwari Girls Composite PU College
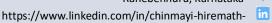
Year of passing: 2018

LANGUAGES

- Kannada (Native)
- English (Proficient)
- Hindi (Proficient)

TECHNICAL SKILLS

GIT Github Jenkins Ansible Docker
Kubernetes Python Linux AWS Maven
CI CD Pipeline Terraform Shell Scripting
Bash Scripting Ubuntu Sonarqube

INTERNSHIP PROJECTS

SPRING BOOT JAVA APPLICATION CI/CD PIPELINE

AI Variant

- Engineered a comprehensive Continuous Integration/Continuous Deployment (CI/CD) pipeline using Jenkins, integrating Maven for build automation, SonarQube for code quality checks, Argo CD, and Kubernetes, achieving a 40% improvement in deployment efficiency.
- Containerized a Spring Boot-based Java web application with Docker, reducing deployment times by 30% and improving portability across different environments.
- Enhanced code quality by unit testing and SonarQube for code analysis, resulting in a 30% decrease in deployment errors.
- Automated build promotion from testing to production environments using Argo CD, optimizing the release process.

AWS VPC WEB APPLICATION DEPLOYMENT

AI Variant

- Architected a secure Virtual Private Cloud (VPC) on AWS, with public and private subnets across two Availability Zones, ensuring high availability and fault tolerance.
- Deployed and managed EC2 instances with Auto Scaling Groups, improving scalability and cost-efficiency by 25% based on traffic demands.
- Configured a NAT Gateway for outbound internet traffic and set up an Application Load Balancer (ALB) for traffic distribution, leading to a 20% increase in system reliability.
- Secured access to private EC2 instances using a Bastion Host and successfully deployed a web application on private instances, validating traffic flow through the load balancer.

EDUCATIONAL PROJECTS

KUBERNETES MANAGEMENT AND STORAGE SOLUTIONS

- Managed Kubernetes namespaces implementing resource quotas for Managed Kubernetes namespaces, implementing resource quotas for CPU and memory, resulting in a 30% improvement in resource allocation efficiency.
- Developed multi-pod applications with shared storage volumes, enhancing data sharing between containers and achieving 40% better application resilience.
- Executed real-time data updates across containers and analyzed the impact of pod deletion on shared volumes, improving understanding of Kubernetes storage behaviour.

DOCKER COMPOSE AND WORDPRESS DEPLOYMENT ON AWS EC2

- Deployed a WordPress blog with MySQL using Docker Compose on an AWS EC2 instance, ensuring data persistence through volume mounts, streamlining the deployment process.
- Automated the setup of Docker and Docker Compose, reducing manual intervention by 50%, improving overall deployment efficiency.
- Configured security groups for EC2, ensuring secure access to the WordPress blog via port 8000, resulting in a seamless user experience.
- Managed container lifecycle and volume mapping using Docker commands, enhancing operational visibility and container management.

JENKINS PARAMETERIZED JOBS AND TRIGGERS

- Designed parameterized Jenkins jobs, increasing build customization options by 50% through OS selection (Linux, Windows, macOS).
- Configured automated job triggers to enhance CI/CD workflow efficiency, reducing manual intervention by 40%.
- Implemented shell scripts in build processes, streamlining automated testing and deployment procedures, resulting in a 30% decrease in deployment times.

CERTIFICATIONS

- ➢ DevOps Engineer Certification from ExcelR Solutions -March 2024
- ➢ Internship Certificate from AI Variant -May 2024