Royal Reddy Yaparla

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SUMMARY

DevOps and AWS Cloud Engineer with **1 year of experience** in cloud infrastructure, automation, and CI/CD pipelines. Focused on enhancing software delivery processes, improving system reliability, and optimizing costs through cloud-native technologies. Eager to contribute to impactful projects, refine DevOps practices, and align with industry best practices.

SKILLS

Operating Systems: **RHEL, CentOS**
Configuration Management: **Ansible**
Databases: **MySQL, MongoDB**
Build Tools: **Maven, NPM, pip**
CI/CD Tools: **Jenkins CICD**
Infrastructure as Code: **Terraform**
Code Analysis: **SonarQube**
Artifactory: **Nexus**
Version Control Tools: **Git-GitHub**
Languages/Scripts: **Shell Scripting, Python, Yaml**
Cloud Platform: **AWS**
AWS Services: **EC2, S3, IAM, EBS, VPC, Subnets, Auto scaling, Cloud Formation, Security Groups, Cloud Watch, CloudFront, SNS, EKS, ECR, Lambda, Route53.**
Containerization: **Docker**
Container Orchestration: **Kubernetes**
Monitoring & Logging: **Prometheus, Grafana, ELK Stack**

EXPERIENCE

AWS DevOps Engineer
Surnoi Technologies Pvt Ltd, Hyderabad **Client:** Netmeds **March 2022- present**

- Managed RHEL-based systems, including user management, package updates, and network configuration, supporting production servers with 99.9% uptime.
- Automated recurring tasks such as backups, system monitoring, and installations using **shell scripting**, reducing manual intervention by 60% and increasing efficiency.
- Developed **Terraform** modules to automate AWS resource provisioning, deployment time decreased by 40% and ensured consistent configurations across dev, testing, and production.
- Streamlined deployment processes using **Ansible** playbooks integrated with Terraform workflows, decreased deployment failures by 35% and cut release cycles from weeks to days.
- Migrated from **GitFlow** to a feature branching strategy, improving development agility and lessening merge conflicts by 50% for microservices.

- Designed, implemented, and maintained CI/CD pipelines using **Jenkins**, **Nexus**, and **SonarQube**, reducing software release time by 40% and improving deployment frequency.
- Engaged with multiple teams to ensure smooth CI/CD adoption and deployment strategies, leading to a 30% improvement in developer productivity.
- Implemented **Shift-Left** Approach Improved defect detection in QA and production by 20% through early-stage security and code quality checks.
- Applied the **Build-Once, Run-Anywhere** method, minimizing environment-specific issues and ensuring 99.9% successful deployments across multiple environments.
- Integrated security practices into pipelines (**SAST**, **DAST**, **Trivy**), cutting vulnerabilities by 25%.
- Optimized **Docker** images and implemented **Helm** charts for **Kubernetes** application management, lessening deployment time by 30%.
- Led an **EKS** version upgrade with zero downtime, ensuring service continuity for mission-critical applications.
- Enhanced system performance and availability by implementing monitoring with **Prometheus** and **Grafana**, decreasing incident resolution time by 40%.
- Centralized logging with the **EFK** Stack, minimizing troubleshooting time by 40% and enhancing log analysis for faster issue resolution.
- Automated AWS resource shutdowns during non-working hours using **Python scripting** and **AWS Lambda**, Automated AWS cost savings using Python & Lambda, lowering expenses by 25%.
- Provided training sessions to freshers and documented cloud architectures, accelerating onboarding time by 40% for new team members.

ACHIEVEMENTS

- Led multiple Proof of Concepts (POCs), successfully demonstrating new DevOps tools and methodologies, resulting in organization-wide adoption and process improvements.

EDUCATION

B.Tech in Mech - 2016
Intell Engineering College - INTL, Anantapur, Andhra Pradesh.