Desineni Gireesh

DevOps Engineer

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PROFESSIONAL SUMMARY

3+ years experienced & result oriented DevOps Engineer possessing in-depth experience of managing cloud-based technology & effectively handling configuration & deployment of infrastructure & services.

- Designing, implementing and supporting fully automated **Continuous Integration (CI)** and **Continuous Delivery (CD)** processes.

- Checking out source code from version control systems like GitHub, knowledge with cloning, pushing the code based on the requirement, involved in Branching, Tagging and Merging of code delivery at required releases.

- Building the source code using the Build Tool, Ant or Maven by writing pom.xml.

- Providing Infrastructure support & integrating multiple tools with Continuous Integration Tool like Ansible & Jenkins respectively. Writing playbooks & roles to automate infrastructure using Ansible.

- Built and deployed a cloud-native multitenant application on AWS, harnessing the power of EC2, S3, Elastic Beanstalk, and other services to achieve high availability, fault tolerance, and exceptional scalability.

- Integrating with Repository Managers like JFrog to upload the artifacts.

- Using Docker for successful setup of Dev & Test environment for Developers and Testers by using Docker Build & Compose.

- Proficient in a range of programming languages, including Python, Java, and Go, with a strong background in shell scripting for building efficient automation solutions and integrations.

- Experienced in container orchestration using Kubernetes (EKS), with expertise in Helm for package management and Istio for service mesh management.

- Designed and implemented monitoring and alerting solutions using Prometheus, Grafana, and similar tools to ensure system reliability and performance. Proven expertise in incident response, troubleshooting, and root cause analysis to resolve issues efficiently and prevent future occurrences.

- Strong knowledge of cloud networking resources, including VPCs, subnets, firewalls, and VPNs, with expertise in configuring and managing secure network architectures.

WORK EXPERIENCE

Junior DevOps Engineer

Wipro   Technologies   2022 - Present

- Designed and implemented CI/CD pipelines using GitHub Actions, automating build and artifact storage in JFrog Artifactory and AWS Elastic Container Registry (ECR).
- Deployed containerized applications using Podman and Docker, leveraging containerization for efficient and scalable application management.
- Streamlined the infrastructure management process by automating 80% of manual tasks leading to a 20% reduction in operational costs and a significant increase in team productivity.
- Developed and implemented 25+ custom Ansible roles for automating configuration management, updates, and deployments, enhancing infrastructure efficiency and consistency.
- Implemented infrastructure as code (IaC) using Terraform, enabling consistent and repeatable environment setups, which improved deployment accuracy by 35%.
- Assisted in the migration of legacy applications to a cloud-based infrastructure, improving system uptime by 20% and reducing maintenance costs by 15%.
- Optimized cloud infrastructure costs by 25% through strategic use of serverless technologies and auto-scaling policies, enhancing resource utilization and operational efficiency.
- Automated routine operational tasks with custom scripts, saving the team approximately 10 hours per week and allowing focus on strategic initiatives.

PROFESSIONAL SKILLS

- Ansible & Terraform (IaC)
- Python, Bash, Golang
- Prometheus, Grafana
- Jenkins, Argo CD
- Build Tools (e.g., Maven, Gradle)
- Docker, Kubernetes, OpenShift
- AWS Lambda
- Git, GitHub Enterprise

CERTIFICATIONS

- Google Cloud Associate Cloud Engineer
- GitHub Foundational Certification

EDUCATION

B.E in Computer Science and Engineering

Saveetha Engineering College, Chennai   2018 – 2022