CERTIFICATIONS

SKILLS

- Kubernetes, Docker, Helm, AKS
- Azure, AWS, Terraform
- CI/CD (Jenkins,GitLab,Github, argoCD, SonarQube, Nexus, ZAP)
- AWS ECS, AWS Cloudformation
- GitOps (argoCD, flux)
- Observability Stack (Grafana, Prometheus, Coroot)
- MLOps (mlflow-seldon)
- Maven, Gradle, Ant
- Web servers (httpd, Nginx, Traefik)
- app servers (tomcat)
- Database-administration (PostgreSQL, MySQL, mongo DB)
- Kafka, Elasticsearch
- Monitoring Tools – Prometheus, Grafana, Kibana, Promtail, Loki, Azure monitor, EFK
- Linux administration, bash scripting, python-scripting(beginner)
- OS - Red hat, Ubuntu, Cent OS

VISWAJITH VENU

CAREER OBJECTIVE

DevOps engineer certified in Kubernetes administration with 6+ years of experience in managing infrastructure for applications. Configuring CICD pipeline and production deployments. I love my job and look forward to learning about intelligent automation and technologies. Looking for DevOps Engineer role to explore more.

https://github.com/Viswajith96

https://www.linkedin.com/in/viswajith-v-52524212a/

WORK EXPERIENCE

Cloud Platform Engineer

Exerp (July 2023 – Present)   Location: Denmark (Remote)

Roles and Responsibilities till now:

- Configure, Upgrade, and maintain production (AWS EKS) Kubernetes clusters and related components for dev, stage, and production environments.
- Work on the infrastructure requirements and maintenance using terraform.
- Build a centralized monitoring solution in AWS for collecting and Visualizing application logs and matrices using EFK stack.
- Configure CICD pipelines using Github actions and GitOps (ArgoCD).

Senior DevOps Engineer

Sedai (June 2022 – July 2023)   Location: Trivandrum

Roles and Responsibilities till now:

- Configured production (AWS EKS) Kubernetes clusters for multi-tenant micro service application Kubernetes deployment.
- Built a centralized logging solution in Azure for collecting and Visualizing application logs and matrices using open-source tools such as Grafana, Prometheus and Loki.

- Installed and configured open-source observability tools based on eBPF Technology for fetching Latency metrics and more information about the application performance.
- Installed and configured Kubernetes runtime security monitoring and alerting using falco (an eBPF Based security tool for Kubernetes clusters.)
- Migrated CICD pipelines from AWS Code-pipeline to Github actions.
- Prepare and Maintain terraform templates for various infrastructure requirements.
- Implemented centralized metrics collection using Prometheus-thanos.
- Configured AWS EKS K8s cluster backup using Velero and AWS S3 as backend.
- Participated in various R&D Tasks related to a cloud cost optimisation product development.

DevOps Engineer

UST (March 2018 – June 2022)   Location: Trivandrum

Roles and Responsibilities:

- Configured production (Azure Kubernetes Service -AKS) and development infrastructure for monolithic and micro service applications for both conventional deployment and Kubernetes deployment.
- Fostered a culture of continuous integration & continuous delivery which reduced deployment time in development environment from 30-40 minutes to 2 minutes.
- Worked together with product managers, Engineering head for procuring and managing azure subscription, plan, and configure new infrastructure requirements, SAAS solutions etc.
- Monitoring Production applications and help customers in solving live issues as soon as possible.
- Administrator and control of Kubernetes including rolling updates, roll backs and disaster recovery.
- Configured and maintaining monitoring solutions such as ELK stack, PLG stack, Nagios etc.
- Configured CICD pipeline (GitLab CICD and using Jenkins as CICD tool) with Git-Ops (Argo CD) for Kubernetes deployment.

- Configured and maintained MLOps pipeline for Data science team using mlflow and seldon.
- Prepare and maintain helm charts for Microservice deployments.
- Configured AKS and Vanila K8s cluster backup using Velero.
- Configured Kubernetes security for the prod deployment using Trivy, kube-audit, apparmor and Falco.
- Load testing and performance tuning using apache JMeter and first level security testing using OWASP- ZAP and burp suite.
- Manage and Configure Email solutions based on Product requirement using MS Exchange online, Mail gun and Postfix mail server.
- Configure and maintain team's collaboration tools such as JIRA, Confluence, MS app center.
- Migrated existing pre-prod environment (dev, UAT, stage) from docker swarm to a self-managed high available Kubernetes cluster built using Kubeadm.

Trainee - Service Desk

FLYTXT mobile solutions Pvt Ltd (July 2017 - March 2018)

Location: Trivandrum

Roles and Responsibilities:

- Distribute and assign the live issues to respective teams based on priority.
- automate monitoring jobs using bash scripting.
- Monitor the status of production application instances and perform first level of troubleshooting.

DECLARATION

I hereby declare that the particulars of information and facts stated here in above are true and complete to the best of my knowledge and belief.

24th January 2024   Viswajith Venu