

AALATHUR VIGNESH

DevOps Engineer

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📄 PROFILE SUMMARY

DevOps Professional with 3 years of experience in crafting effective solutions for cloud platforms and Devops Methodology. Skilled in simplifying development workflows, fostering collaboration between teams, and implementing CI/CD pipelines for streamlined software delivery. Proven track record of enhancing efficiency and driving successful DevOps practices.

🎓 EDUCATION

COMPUTER SCIENCE AND ENGINEERING (70%), 2016 – 2020
SREE RAMA ENGINEERING COLLEGE (JNTUA)

🧠 SKILLS

AWS & Microsoft Azure

Cloud Service

Linux

Operating System

Git/ GitHub

version control system

Jenkins

CI/CD tool

Docker

Containerization tool

Ansible

Configuration Management tool

Kubernetes

Container Orchestration tool

Vnets, Subnets, NSGs

Networking

ELK, Grafana & Prometheus, Zabbix

Monitoring tools

MySQL, MongoDB

Database

Nginx, Apache2

Webserver

Shell Scripting

Scripting Languages

📁 PROFESSIONAL EXPERIENCE

DevOps Engineer,, HTC Global Services 12/2022 – present | - Hyderabad

- Involved in architecting comprehensive end-to-end solutions for seamless CI/CD deployments across onpremises and cloud environments.
- Collaborated with diverse cloud services to facilitate essential CI/CD processes
- Spearheaded the development and management of microservice applications utilizing Docker and Kubernetes, guaranteeing secure infrastructure isolations
- Ensured the smooth maintenance of microservice applications across various environments
- Seamlessly integrated Kubernetes with CI tools and achieved successful deployment of diverse infrastructures
- Effectively oversaw Kubernetes clusters on AWS and Azure, ensuring efficient maintenance and management of diverse infrastructures

- Accountable for overseeing comprehensive end-to-end delivery and deployment pipelines.
- Expertly configured and maintained networking services to facilitate the hosting of applications within VPCs and subnets

Associate Consultant, Sysmedac Technologies

05/2021 – 11/2022 | - Chennai

- Implemented End to End cloud infrastructure using AWS and Azure for efficient resource management.
- Automated deployment processes using tools like Jenkins and Ansible to reduce manual errors and increase deployment frequency.
- Extensive experience in Docker, including image creation, pulling from Docker Registry, and managing components
- Expertise on integrating Kubernetes with CI tools and achieved successful deployment of diverse infrastructures
- Expertise on deploying, and managing Kubernetes-based infrastructure.
- Optimized system performance by implementing Continuous monitoring and logging solutions, resulting in a 20% reduction in server downtime.
- Conducted in-depth analysis of application logs to identify potential causes of issues and promptly reported errors to the development team

LANGUAGES

- English
- Telugu
- Tamil

PROFESSIONAL SUMMARY

- Good understanding of Azure and AWS regions, regions pairs, availability zones.
- Responsible for installation and configuration of Azure and AWS services.
- Configuring and managing virtual networks, subnets, NSG, route tables, NAT, Firewalls.
- Expertise in managing containerized via Azure Kubernetes Service.
- Configured vertical and horizontal auto scaling.
- Configured and enabled monitoring using azure monitor.
- Good exposure on using S3 buckets, mount/unmounts S3 bucket as file system in Linux and configuring instance backups to S3 bucket.
- Expertise in managing containerized via Azure Kubernetes Service.
- Good working experience of creating and deploying **end to end** projects by using various DevOps tools.
- Good working experience on handling and maintaining Unix like Ubuntu, CentOS, Amazon Linux etc...
- Experience on Version Controlling and Source Code Management tools like GIT, GITHUB and GitLab
- Working Experience in branching, tagging and maintaining the versions across the environments working on Software Configuration Management (SCM) tools like GIT.
- Expertise with build systems and tools such as Maven, NPM, Dotnet build etc...
- Worked on Jenkins installation, configuration and maintaining to support Continuous Integration (CI) and for End-to-End automation for all build and deployments.
- Experience in automating CI & CD pipeline using Jenkins tool.
- Experience on installing various plugins in Jenkins like maven, NPM, Kubernetes etc.,
- Proficiency with Configuration Management tools & Build management tools such as Ansible, Maven, GIT, shell script, Jenkins, Docker etc.,
- Experienced using build automation scripts like MAVEN, NPM, MSBUILD as a build tools for building of deployable artifacts from source code.
- To achieve Continuous Delivery goal on high scalable environment used Docker tool

- Virtualized the servers using Docker for the test environments and dev-environments needs, also configuration automation using Docker containers.
- Experience in creating Docker Containers leveraging existing Linux Containers and AMI's in addition to creating Docker Containers from scratch.
- Containerized applications using Dockerfile best practices, and integrated with different microservices
- Expertise on Docker tag, Build and pushing the docker images to docker registry, ACR (azure container registry)
- Experience on bootstrapping Kubernetes Cluster and Orchestrated the complete application lifecycle using Kubernetes
- Enforced network policies as the security measure on K8s cluster using Weave works and Calico CNI
- Working experience on Kubernetes objects like pods, replica sets, deployments and services using K8s manifests
- Experience on mapping ENV variables, ConfigMaps and Secrets and Expertise on Volume Mounts
- Setup Load Balancer and Nginx Ingress controller to manage the ingress/egress routing rules for application
- Expertise on managing external traffic via Load balancers (Application gateway and NLB).
- Deployed Prometheus with Grafana to monitor the Kubernetes cluster and configured alerts
- Working experience on package, configuration, services, Users, and deployment using Ansible.
- expertise on creating and deploying the applications by using Ansible Playbooks
- Created the Ansible roles to setup the infrastructure components across all environments..
- Mapping the domain from HTTP to HTTPS traffic by using DNS and configuring the SSL and TLS certs in the web hosting providers.
- Good working experience on continuous monitoring of applications and servers by using different monitoring tools like Zabbix, Splunk, ELK.
- Expertise on taking and managing the DB backups, application backups, server backups by using automation shell scripting
- Expertise on high availability and disaster recovery.
- Completed the assigned tasks on time in accordance with the appropriate process.
- Continue to advance skills professionally and technically

DECLARATION

I hereby declare that the above-mentioned information is correct up to the best of my knowledge.

A VIGNESH