



Challa Satya Sree Madhava

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Profile Summary:

- **Certified Kubernetes Administrator** and **DevOps Engineer** with **6 years 8 months** of experience in **Kubernetes** and DevOps, **Amazon Elastic Kubernetes Service (EKS)**, Infra & Cloud management, Configuration management and Linux administration.
- Experience in **Kubernetes** to orchestrate the **deployment, scaling and management** of **Docker** containers.
- Experience in implementing **Site Releases & Deployments** on **Kubernetes** hosting **OpenStack workloads**.
- Experience in deploying and managing **containerized application** onto a Kubernetes Cluster which is managed by **Amazon Elastic Kubernetes Service (EKS)**.
- Implemented Production Ready Kubernetes Cluster deploying scalable, high available and fault tolerant **Kubernetes Cloud Infrastructure**.
- Experience in **Kubernetes Administration** and provided end to end support for Kubernetes operations.
- Experience in implementing scalable Kubernetes Cluster managed by Amazon EKS.
- Implemented & managed **CI/CD Pipelines** by using **Jenkins**.
- Provided end to end support for server operations in Red Hat Linux environment.
- Experience in implementing Ansible playbooks for Configuration management.

Work Experience:

- Working as Senior Consultant-Technology in **Virtusa** Consulting Services Pvt. Ltd. for Client **Citibank** since Feb 2020.
- Worked as Sr. IT System Analyst in YASH Technologies Pvt. Ltd. from (Oct 2019 – Feb 2020).
- Worked as Staff Associate, Technical Support in **AT&T** Global Business Services India Pvt. Ltd. from (Mar 2015 – Sep 2019).

Professional Experience - I

- **AT&T** Global Business Services India Pvt. Ltd. (Mar 2015 – Sep 2019).
- Role – Kubernetes Engineer.

Roles and Responsibilities:

- Experience in implementing **Kubernetes Cluster** environments deploying OpenStack workloads during Site Releases.
- Experience in orchestrating the deployment, scaling and management of OpenStack workloads as **Docker** containers.
- Experience in Kubernetes administration and operations involving Kubernetes.
- Experience in **Application Deployment and Upgrades** on **Kubernetes** Cluster using Helm Charts.
- Experience in implementing **Network Policies** in Kubernetes.
- Experience in deploying Network Cloud Green field and Brown field Kubernetes Clusters using Jenkins CI/CD Pipeline.
- Experience in troubleshooting Kubernetes deployment issues.
- Experience in implementing Readiness probe and Liveness probe in Kubernetes.
- Experience in implementing Kubernetes Cluster upgradation and OS updates.
- Experience in Elastic Search with built-in integration tools like Kibana.
- Experience in implementing Auto Scaling of pods in Kubernetes based on CPU utilization using Horizontal Pod Auto Scaler.
- Experience in implementing Ansible playbooks for Configuration management.
- Implemented CI/CD Pipeline using Git, Maven, Jenkins, Ansible and Docker.
- Experience in implementing key AWS services like VPC, Route53, ELB, Auto Scaling Groups, EFS, EC2 etc. and using Terraform to provision AWS resources.
- Experience in setting up Jfrog Artifactory as private registry.
- Experience in troubleshooting server performance issues in Linux servers.
- Experience in troubleshooting network issues in Linux servers.
- Experience in troubleshooting booting issues in Linux servers.
- Experience in configuration of kernel parameters and kernel upgradation in Red Hat Linux.
- Experience in OS Patching and performing security upgrades in Red Hat Linux.
- LVM Configuration and updating the File System.
- Experience in Troubleshooting Booting issues in Linux servers.
- Experience in performing root cause analysis and troubleshooting high severity outages.

Professional Experience - II

- **Virtusa** Consulting Services Pvt. Ltd. (Feb 2020 - Till date).
- Client: **Citibank** (Role – DevOps Kubernetes Engineer).

Roles and Responsibilities:

- Experience in deploying Work fusion Intelligent Automation containerized application onto a Kubernetes Cluster which is managed **by Amazon Elastic Kubernetes Service (EKS)**.
- Experience in implementing scalable Kubernetes Cluster managed by **Amazon EKS** in Prod, UAT and Dev environments to run Work fusion Docker containers for automating the business tasks.
- Experience in **Application Deployment and Upgrades** on **EKS** Cluster using Helm Charts.
- Experience in implementing **Amazon EKS** Cluster Auto Scaling to scale Kubernetes.
- Experience in implementing deployments, stateful sets, application upgrades, services on **Amazon EKS** cluster.
- Experience in implementing Network Policies in Kubernetes.
- Experience in Kubernetes administration and operations involving Kubernetes.
- Experience in implementing Readiness probe and Liveness probe in Kubernetes.
- Experience in implementing key AWS services using Terraform to provision AWS resources.
- Experience in implementing Auto Scaling of pods in Kubernetes based on CPU utilization using Horizontal Pod Auto Scaler.

Certifications:

- **Certified Kubernetes Administrator (CKA)** (Certificate ID Number LF-3s62cw3a60)
- AWS Certified Solutions Architect - Associate (Validation Number GYWEHTEJ12BE1Y9S)

Education:

- Bachelor of Engineering (B.E) in Electrical and Electronics with 70.9 % from Anil Neerukonda Institute of Technology & Sciences affiliated to Andhra University.
- Intermediate with 89.9% from Board of Intermediate Education, AP.
- SSC with 88.6% from Board of Secondary Education, AP.

Declaration:

- I hereby declare that above given information is true to the best of my knowledge.

Ch.S.S.Madhava