CHANDRAKANTH ARRA

Mail ID: - chandrakantharra786@gmail.com **Mobile No:** +1(216) 370-0756

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Professional Summary:

Highly competent DevOps / SRE with 5+ years of overall experience, specializing in implementing cloud-based solutions on the public cloud. Having excellent knowledge of Amazon Web Services (AWS) Cloud Environment and Expertise in container orchestration using Kubernetes.

Core Competencies:

➤ Good Experience with Amazon Web Services (AWS) creating, and configuring EC2, and VPC's and having knowledge of IAM, S3, RDS, and AMI services.

➤ Experience in using version control tools like Git hub & and Git Lab.

➤ Experience in **Kubernetes** as a container orchestration system for Docker containers.

➤ Used Jenkins tool to automate the build process.

➤ Automating (CI/CD) build and deployment of micro-services on Docker using Jenkins pipelines in initial testing environments.

➤ Good Expertise on platform which is working on **Terraform (IAC).**

➤ Good Expertise in logging/ monitoring tools like **Splunk and New Relic.**

➤ Managing user access to AWS resources using Identity Access Management (**IAM**).

➤ Configure Security Groups for EC2 Instances.

➤ Maintaining and upgrading the EC2 instances according to the requirements.

➤ Hands-on **CloudWatch** Alerts (CPU Utilization, Memory Utilization, and System Utilization)

➤ Rich Expertise in the Areas of Build/Integrate and Release Areas.

➤ Troubleshoot Platform and Infrastructure Issues in the production environment.

➤ Ability to work in scrum planning and attending Daily Scrum Meetings.

Known Tools and Technologies:

- **Cloud providers**   : AWS,
- **Infrastructure as a Code**   : Terraform,
- **Containerization tools**   : Docker, Kubernetes,
- **Version Control**   : Git-hub, Gitlab,
- **CICD tools**   : Jenkins, Ansible, Harness
- **Scripting Languages**   : shell, JSON
- **Server OS**   : Linux, Windows,
- **Logs and Metrics**   **:** AWS Cloud Watch, Opsgeine, Splunk, New Relic.

Work   Experience:

Skillsoft & Sumtotal Systems India Pvt. Ltd.

Project: Percipio

Project Description: Percipio is a digital learning platform with a highly scalable and secure SaaS platform designed to create new ways of thinking about improving performance and skills. The platform provides mechanisms for software vendors and customers to showcase, try, purchase, deploy, and learn.

Project Duration: 29th August 2021 to 10th May 2023

Role: DevOps / Site Reliability Engineer.

Responsibilities:

- Develop and implement the new micro-services (Kubernetes) for the applications that need enhancements.

- Responsible for making the Deployments to the Staging and the Production Environments

- Responsible for Troubleshooting the Production issues that we encounter.

- Experience with container-based deployments using Docker, working with Docker images, Docker Hub and Docker registries, and Kubernetes.

- Identify, troubleshoot, and resolve issues related to the build and deploy process.

➢ Interact with developers and Enterprise Configuration Management Team for changes to best practices and tools to eliminate non-efficient practices and bottlenecks.

➢ Work tightly with our customers, understand, and capture their requirements.

➢ Responsible for the implementation and smoother execution of the 15-day Sprint process that we follow.

➢ Implemented automating Continuous Integration and Continuous Delivery pipeline using Jenkins, Docker, and Ansible tools.

➢ Responsible for maintaining and checking the health of the application and the Database servers that we maintain in Staging and Production.

Sysgain Information Technologies Pvt. Ltd.

Project: Qloudable. inc

Project Description: Qloudable is a highly scalable and secure SaaS platform designed from the ground up to accelerate cloud adoption and digital transformation. The platform provides mechanisms for software vendors and customers to showcase, try, purchase, deploy, and learn about cloud solutions.

Project Duration: 09th May 2019 to 15th Dec 2020

Role: Software Engineer - Cloud

Responsibilities: -

➢ Good Experience with Amazon Web Services (AWS) creating, and configuring EC2, and VPC's and having good knowledge of IAM, S3, and AMI services.

➢ Experience in using version control tools like GIT, and Git Hub.

➢ Implemented IaC initially for the Qloudable product of Sysgain.

➢ Maintain Licenses of Go Daddy certificate of Qloudable and Manage Auth0 for user data.

➢ Maintain AWS Cloud Accounts for labs.

➢ Troubleshoot Platform and Infrastructure Issues in the production environment of Qloudable.

➢ Writing Terraform templates for labs on AWS and Implementing those in testing environments Terraform projects for labs in AWS cloud services.

➢ Worked on building and deploying java code through Jenkins.

➢ Used Jenkins tool to automate the build process.

➢ Used Ansible Playbooks to set up a Continuous Delivery Pipeline.

➢ Automating (CI/CD) build and deployment of Qloudable micro-services on Docker using Jenkins pipelines for creating Docker container images in initial testing environments.

➢ Knowledge of Implementing Docker to build and deploy containerized micro-services of Qloudable in AWS.

➢ Troubleshoot Platform and Infrastructure Issues in the production environment of Qloudable.

Vara United Pvt. Ltd.

Project: Fortinet FortiGate – Fabric Connectors for AWS

Project Description: In this solution, the core capabilities of Fortinet's FortiGate firewall, SG along with Fabric Connectors are demonstrated.

Project Duration: March 2017 to May 2019.

Role: Junior Associate - Cloud

Responsibilities: -

➢ Launching Public and Private VPCs along with subnets, route tables, and Internet Gateway.

➢ Launching the EC2 instances.

➢ Experiencing in using version control tools like GIT, and GIT hub.

➢ Hands-on experience in automating CI/CD pipelines using Jenkins's tool. Configuring SSH.

➢ Used Jenkins tool to automate the build process.

➢ Integrated Jenkins and Ansible. Written the Ansible YAML scripts.

➢ Created and Configured Fortinet Docker images and Forti Gate container.

➢ Providing high availability for web applications using Traffic Manager.

➢ Implementing Load balancer & and application lb in the platform and maintaining continuous health checks of LB and App & LB.

➢ Using Various Cloud Native Services like Load Balancers and AMI to have High Availability and Spinning Instances fast in case of any failure.

Certifications:

➢ AWS Cloud Practitioner Essentials (Issued On 11th January 2021).

➢ AWS Development Tools Services Overview (Issued On 16th January 2021).

Academic Profile:

➢ Perusing master's in data science and Al Machine Learning at Campbellsville University, Kentucky (August - 2023).

➢ Bachelor of Technology in Electronics & Comm. From Kakathiya University, Warangal. (2015),

➢ Board of Intermediate from Hindhu Jr. College, Warangal. (2011),

➢ SSC from Wisdom High School, Narsampet. (2009).

Personal Profile:

➢ Date of birth   **: 20th September 1993.**

➢ Parents   **: S/o Venkanna and Nirmala Arra.**

➢ Gender   **: Male.**

➢ Languages Known **: English, Telugu, Hindi, Tamil.**

Declaration:

I hereby declare that all the above-mentioned information is true to my knowledge.

Name: - Chandrakanth Arra   **Date: -**