# Nagaraju Manda

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## SUMMARY

**Aspiring DevOps Engineer** transitioning from a Content Analysis background. Proficient in Cloud (AWS) and version control, with hands-on practice setting up CI/CD pipelines and containerized environments using Docker. Seeking an Good-level role to apply my automation and cloud skills and streamline development workflows.

## PROJECTS

### React application Deployment with CI/CD pipeline.

- Cloned source code from GitHub into Jenkins pipeline to ensure version-controlled builds and traceability.
- Configured **Jenkins** to clean workspace for **isolated builds**.
- Integrated **SonarQube** for static code analysis.
- Compiled React application using **npm run build**, generating optimized production-ready assets.
- Created **Docker image** to **containerize** the **frontend application**
- Pushed **Docker image** to **DockerHub** for **remote hosting** .
- Deployed application as a **container** to ensure **consistent environments**.
- Designed **Jenkins pipeline** to **automate CI/CD** from code to deployment.

### E-commerce application Deployment in KOPS cluster

- Provisioned **EC2 (t2.large)** instances with IAM policies to automate Kubernetes cluster creation via **KOPS CLI**.
- Configured **AWS S3** as the backend state store for cluster metadata, ensuring persistent and centralized configuration management.
- Created a **multi-zone Kubernetes cluster** with custom instance types, EBS volumes, and Ubuntu AMI for optimized performance.
- Installed and configured **Jenkins** and **Docker** on a dedicated CI/CD server to automate application build and deployment.
- Implemented **Kubernetes RBAC** by creating a dedicated **namespace (**webapps**)** and service account for Jenkins integration.
- Applied **Infrastructure as Code (IaC)** principles using manifest files for service accounts, secrets, and namespace isolation.
- Authenticated Jenkins with Kubernetes using service account secrets and configured **Multibranch Pipeline** for automated deployments.
- Delivered a production-ready deployment pipeline with automated builds, containerization, and Kubernetes orchestration.

## SKILLS

CI/CD**: Jenkins**
Containerisation : **Docker**
Orchestration: **Kubernates**
IAAC: **Terraform**
Cloud: **Aws** (EC2, S3, VPC, ASG & ELB, IAM, EKS)
SCM: **GIT**, **GITHUB**
Programming Language**: Python**

## WORK EXPERIENCE

Company: Clarivate Analytics                                       12-July-2022-Present
Role: Associate Content Analyst

Location: Hyderabad

**Responsibilities:**

**Tools : Singularity, Pegasus**

- Worked with the Scholarly Items content operations team for the WOS product
- Curated bibliographic information such as Article title, keywords, abstracts & funding information from the articles.
- Need to analyze, edit and sort data from text-based scientific content, journals and process them according to the client requirements with the required quality and proficiency
- Achieved the volumes and quality metrics on a daily/weekly basis.
- Communicate initiatives to senior management, set timelines and manage expectations for all deliverables and releases.

## EDUCATION

- Bachelor of Computer Science – 76%                                       2021