Resume:

MADHU CHITYALA
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Professional Experience:

Currently working as a **DevOps Engineer** at **Mindtree Pvt Ltd.** with **5+ years** of experience in building and maintaining Business applications, Product applications.

Professional Summary:

- **5+** years of experience In Cloud computing in IT Industry **DevOps & Linux, Git, GitHub, Maven, Jira, Jenkins, Ansible, Docker, Kubernetes, AWS** and **Terraform.**
- Good understanding in **Agile**, **Scrum** and **Waterfall methodologies**.
- Hands on **Linux Administration** (Installation, Configuration & Troubleshooting).
- Worked for **Agile** projects.
- Experienced with SCM tool **GIT** along with **GitHub.**
- Experienced in Branching, tagging and version management strategies using **Git**.
- Experienced in build tools like **Maven.**
- Experienced in Artifactory manager tools like **Nexus** and **JFrog.**
- Hands on experience with code coverage tools like **SonarQube.**
- Experience on continuous integration tools like **Jenkins.**
- Experienced on Jenkins by installing, configuring and maintaining for the purpose of Continuous integration (**CI**) and for End to End automation for all build and deployments.
- Good Experience on writing various scripts in Jenkins to monitor server health and self-heal if necessary. Also, configured email plug-in to send alerts based on groovy script.
- Hands on scripting with bash and shell.
- Experienced in implementing **Ansible** to manage all existing servers and automate the build/configuration of new servers and to setup Continuous Delivery Pipeline.
- Experienced in deploying micro services, including provisioning **AWS** environments using Ansible Playbooks.
- Experienced in Configuring and managing web Server and automating this using **Ansible**.
- Experienced in creating custom **Docker** Images using **Docker** file and creating **Docker** Volume and **Docker** Networking.
- Experienced with **Docker** on multiple cloud providers to build and containerize their application (**CI/CD**) to deploying either on public or private cloud.
- Good Hands on experience with **Kubernetes.**
- Experience on Docker orchestration and docker containerization using **Kubernetes.**
- Experience on Kubernetes package manager **Helm.**
- Good knowledge on **Apache - Tomcat server.**
- Familiar with monitoring tools like **Nagios.**
- Have an ability to work on Multiple targets and can switch between different projects quickly as per requirement.
- Experience in configure AWS services like **VPC, EC2, Autoscaling, IAM, EBS, ELB, EKS, ECS, ECR, Cloud watch, RDS, R53, AWS Lambda and S3.**
- Managed servers on the AWS platform instances using **Terraform.**
- Good communication, team membership and relationship management skills.
- Strong perseverance and diligence towards attaining challenging goals and possess good communication skills and quick learning ability.

Technical Experience:

Operating system	Windows, Linux.
Cloud Platform	AWS.
Version Tools	GIT, GitHub.
Build tool	Maven.
CI Tool	Jenkins.
Arti fact Tools	Nexus, JFrog.
Code Quality Tool	SonarQube.
Ticketing Tools	Jira, Servicenow.
Configuration Tools	Ansible, Terraform.
Containerization Technology	Docker, Kubernetes.
Scripting	Bash, Python scripting.

Work Experience:

Working as a **DevOps Engineer** in **Mindtree Pvt Ltd.** from 2019 feb to present.

Project: 1

CLINICS APP:
About Product: Clinics app is an android based application to give Doctors a platform to book appointments and start consultation with Latest Diagnosis (ICD 9 / ICD 10) codes and Prescriptions. It has various lab integrations as well as Full EMR (electronic medical recording platform) features. It has been evolved to Web front as well.

Team Size   **:** 8
Environment   **:** Git, Maven, Jenkins, Ansible, Apache Tomcat, Docker, Linux, Kubernetes, AWS.
Role   **:** Build and Release and DevOps.

Project Responsibilities:
- Responsible to provide highly efficient architecture to run the application with negligible down time using Git, Maven, Jenkins, Ansible, Docker, multiple ec2 instances with load balancers to manage load requirements Architecture also includes RDS, VPC and other services of AWS.
- Responsible to create branches in Git and merging branches as part of the Release management process.
- Responsible for Build and Release management using Git and Maven.
- Responsible for automating CI/CD.
- Responsible to write Docker files and Docker compose files to build docker images and containers.
- Responsible to maintain docker private repository.
- Responsible to write Ansible playbooks to automate the CD process.
- Used Kubernetes to orchestrate the deployment, scaling and management of docker containers.
- Used Linux VM'S for creating the above infra on AWS.

Project: 2

Capital one bank-US:
The Capital One Bank is a vital source of financial and technical assistance to developing countries around the world. We are not a bank in the ordinary sense but a unique partnership to reduce poverty and support development. At the time of holiday session maintain the new services to the customers based on customer bank operations.

Team Size   **:** 12
Role   **:** DevOps and Build and Release.

Environment   : Maven, GIT, Jenkins, Ansible, Linux, AWS.

Project Responsibilities:
- Software Configuration management (Automate CI & CD pipe using Ansible, Maven, Jenkins & GIT).
- Responsible for tagging and maintain code on version control GIT.
- Perform Build activities using Maven and Jenkins tool.
- Responsible for creating Builds and Deployments Planes.
- Creating War / Ear files using Maven.
- Configured Jenkins Jobs, install plugins for generating Project Arti facts.
- Automate the build Process Using Jenkins jobs.
- Writing inventory files and Ansible configuration files.
- Creating playbooks in Ansible for configuration and Deployment activities.
- Automating AWS cloud deployments using Shell script and Ansible.
- Used Linux VM'S for creating the above infra on AWS.
- Configured packages, services using Ansible modules like yum, service, templates, handlers etc.
- Configuring Apache tomcat server using Ansible.
- Perform Deployment of War files in Tomcat application servers using Shell script and Ansible.
- Perform deployments to multiple environments like Dev, QA and UAT environments.
- Resolving the JIRA tickets for different environments of DevOps for all the projects.

Personal Details:

Name	: Madhu Chityala
Father name	: Rajaiah
Date of birth	: 10/08/1991
Gender	: Male
Address	: H.No:12-15-588, MK Nagar, Osmania University, Hyderabad, Telangana-500007.
Marital status	: Married
Languages	: Telugu, English and Hindi.

DECLARATION:

I hereby declare that the above furnished information is true and promise that I will work hard up to the satisfaction of my superiors and company if I am provided with the opportunity.

Place: Hyderabad   Yours Truly,

Date: 20/06/2024   **Madhu Chityala.**