**M.S.Suman**

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| Professional Summary: |
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* Having 3.2 years of experience in IT industry with DevOps Engineer in AWS
* Experience in implementing devops practices in an Agile scrum environment.
* Automated the entire build and release process using Jenkins.
* Good understanding of build tools like Maven for artifact creation.
* Working knowledge of version controlling systems like Git.
* Well-versed in creating branches and merging branches based on developers requirements.
* Well-versed in creating Jenkins files using groovy scripts for performing CI-CD.
* Worked on Amazon Web Services EC2, AutoScaling, VPC, S3, IAM.
* Experience in running Jenkins jobs in a distributed environment using master-slave.
* Extensively worked on docker for environment creation.
* Experienced in creating the dev and qa environment based on client requirements using docker compose.
* Created custom docker images using docker file.
* Knowledge in working on public & private registries for storing docker images.
* Performed load balancing, autoscaling, fail-over scenarios handling etc., using docker swarm.
* Performed remote configuration of servers using ansible.
* Created ansible playbooks & roles for configuring applications like tomcat, MYSQL etc.
* Integrated ansible with docker & Jenkins for remote automation of devops.
* Experience in automating devops tools using python script.
* Hands on experience on Amazon Services cloud deployments using DevOps tools like Jenkins and Ansible.

| Work Experience: |
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# Working in TEK Systems Global Services,Hyderabad as DevOps Engineer from Apr 2020 to Till date

# Worked as a Sonata Software ,Hyderabad as DevOps Engineer from Jan 2019 to Mar 2020

| Educational Qualifications: |
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* Master of technology in ELECTRICAL POWER SYSTEMS JNTUA ANANTAPUR  **2016**
* B.tech EEE from intel engineering college Anantapur JNTUA 2013

**Teaching Experience:**

* Worked as an Assistant Professor in Sri Krishnadevaraya Engineering College, Gooty, ANANTAPUR (DIST) from Feb 2016 to June 2018.

| Technical Skills: |
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* Operating system : Linux and Windows
* Version control Systems : GIT, Github
* Application servers : Apache Tomcat
* Continuous Integration Tools : Jenkins.
* Cloud Technology : Amazon web services
* Ticketing tools : JIRA
* Containerization : Docker, Docker Swarm
* Scripting languages : Shell script

**Details of Projects:**

**Project #2:**

**Title : Healthcare Prediction**

**Client : United Healthcare Organization**

**Technology : AWS and DevOps (Git, Maven, Jenkins, Java, Docker,**

**Shell Script.)**

**Designation : DevOps Engineer**

**Duration : Apr 2020 to Till date**

**Project Description:**

The Health Prediction system is an end user support and online consultation project. Here we propose a system that allows users to get instant guidance on their health issues through an intelligent health care system online. The system is fed with various symptoms and the disease/illness associated with those systems. The system allows users to share their symptoms and issues. It then processes the user's symptoms to check for various illnesses that could be associated with it. Here we use some intelligent data mining techniques to guess the most accurate illness that could be associated with a patient's symptoms.

**ROLES & RESPONSIBILITIES:**

* Support the engineering teams regarding CI/Build tools, Environments and Automation.
* Involved in Branching, Tagging and Merging of code delivery at required releases.
* Help Development teams automate the environment setup using tools like Ansible.
* Setup DEV, QA and UAT environments for every sprint using Ansible.
* Troubleshoot and resolve issues related to application deployment and operations
* Working on Amazon Web Services (EC2, S3, Auto Scaling,Vpc,IAM) Server Domain on Amazon Web Services.
* Configured Build Triggers by using Poll SCM & Build Periodically.
* Created Docker images using Docker files to support containerization of application
* Creating docker images and create docker containers
* Create images from docker containers and backup and migrate these container infrastructure
* Having Hands on container orchestrations that is docker swarm
* Writing ansible playbooks for configure multiple environments

**Project #1:**

**Title : Improving Accessing Efficiency of Cloud Storage**

**Client : Alibaba cloud technologies**

**Technology : AWS and DevOps (Git, Maven, Jenkins, Java,Docker**

**Shell script,)**

**Designation : DevOps Engineer**

**Duration : Jan 2019 to Mar 2020**

**Project Description:**

We propose the index name servers (INS) to manage not only file storage, data deduplication, optimized node selection, and server load balancing, but also file compression, chunk matching, real-time feedback control, IP information, and busy level index monitoring. To manage and optimize the storage nodes based on the client-side transmission status by our proposed INS, all nodes must elicit optimal performance and Offer suitable resources to clients.

**ROLES & RESPONSIBILITIES:**

* Design AWS infrastructure based on the application requirements.
* Working on Amazon Web Services (EC2, S3, Auto Scaling,Vpc,IAM) Server Domain on Amazon Web Services..
* Troubleshoot and resolve issues related to application deployment and operations
* Have good experience in Build/Deploy Pipeline Setup and End-to-End Job Setup of all the projects.
* Written Ansible playbooks to automate our build/deployment process and do an overall process improvement to any manual processes.
* Writing docker files for customized docker images
* Provide environment setup by writing docker compose file
* Experience in GIT wrappers like GITHUB
* Build the artifacts by using Maven.
* Integrated Jenkins with GIT, Maven.
* Configured Build Triggers by using Poll SCM & Build Periodically.

Deployed the artifact to multiple nodes by Build with parameters in Jenkins

**Declaration:**

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

**(M.S.SUMAN)**