**MURE KEERTHI SUMANTH**

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**Professional Summary**

* Having **3+**years of experience in IT industry comprising **AWS DevOps Engineer**, **UNIX System Engineer**, **Configuration Management**, **Continuous Integration**, **Continuous Deployment**, **Build & Release Management and AWS.**
* Experience in automating build and deployment workflows using **GIT, MAVEN, Jenkins, Docker and Ansible.**
* Very good experience in **GIT** on **Branching**, **Tagging** and **Merging** the source code between different Branches. **IT** administration like **Creating Repositories**, **access control** in **GIT.**
* Performing build activities by using **Maven,** created and modified build configuration files including **POM.XML**. Dependencies and automation.
* Expertise in **Continuous Integration** setup. Configured multiple build jobs, integrated test cases, created **distributed builds,** performed plug-in installations, backup using **Jenkins**.
* Good Experience in interlinking multiple Jenkins jobs with **pipeline,** integrated **sonar** to run as part of Jenkins build job, Monitoring **nightly builds** and **daily builds** and **Deploy** with different environment like **QA**, **UAT**, **DEV, PROD.**
* Professional Experience on Containerization tool like **Docker**, Writing **Dockerfiles** for creating **Docker images** and **containers** for different Environments.
* Expertise in writing playbooks and creating **Roles** for Scalability and Reusability in **Ansible**.
* Hands on experience in **provisioning, orchestration, installing packages, services, configuration** and **deployment** using Ansible.
* Developed complex **build, test, provision, secure** and **deployment** systems and providing support to a large community of developers and testers.
* Managed servers on the **Amazon Web Services (AWS)** platform instances using **Ansible** configuration management.
* Experience on **Amazon EC2, EBS,IAM, AMI, S3, VPC** and **Elastic Load Balancing** services of the **AWS** family.
* Managing artifacts by **using Nexus Repository** Manager.
* Scripting & automating tasks using **shell scripting** for backup.
* Created and configured **KUBERNETES CLUSTER using GOOGLE CLOUD CLUSTER AND AWS KOPS WITH KUBECTL .**
* Maintained  **PODS ,SERVICES,LOADBALANCERS ,SECRETS,CONFIG MAPS**

**AND DEPLOYED APPLICATIONS to cluster for CONTINUOUS DEPLOYMENT.**

**Work Experience:**

* Worked as a Devops Engineer for **cognizant pune**  from **DEC 2015 – JUNE 2019**.
* working as a Devops Engineer for Frost interactive from **JUNE2019-TILL DATE.**

**Academia:**

* **B.TECH** From Hindustan University Chennai, 2015 June

**Skill Set:**

|  |  |
| --- | --- |
| ***Operating Systems*** | Linux/ Unix |
| ***Cloud Services*** | AWS |
| ***Virtualization*** | Docker |
| ***Version Control/Repository*** | GIT And GitHub |
| ***Continuous Integration Tools*** | Jenkins |
| ***Configuration Management Tools*** | Ansible & Puppet |
| ***Build Tools*** | Ant & Maven |
| ***Application Servers*** | Tomcat |
| ***Web Servers*** | Nginx, Apache2, Httpd. |
| ***Scripting Languages*** | Shell |
| ***Continuous deployment*** | Kubernetes with aws kops and google cloud clustering services. |

**Projects :**

**Project # 1:**

**Client:** Wood Group Mustang Inc. – Canonsburg, PA

**Role:** Devops Engineer

**From:**  Dec 2015- Nov 2017

**Project Description:**

Mustang Engineering they witnessed Houston’s oil industry bust of the mid-80s and the negative effects it had on its employees. With the desire to create a company embodying security and personal growth for its employees, building efficient and effective teams and providing a project approach of integrity and innovation, they founded the company on the mantra People Oriented…Project Driven.

**Roles and Responsibilities:**

* Administration and Configuration management of version control systems GIT, GitHub.
* Developed and maintained the continuous integration and deployment systems using **Jenkins, ANT, Maven, Nexus and Ansible.**
* Developed and implemented up the monitoring infrastructure for systems, applications using **Nagios.**
* Implemented **Ansibl**e playbooks for  **configuration management.**
* Created ease in provisioning with light weight containers by creating **Images with Docker.**
* Utilising **Amazon** web services for setting up **EC2 instance, VPC,ELB,RDS,S3bucket,Autoscaling to integrate and deploy using Jenkins,Maven.**
* Ensured appropriate quality controls and approvals were in place prior to code promotions, tracking and documenting all release changes.
* Handled deployment coordination across teams with jenkins.
* Developed deployment processing with application server **Tomcat**.

**Environment**: Jenkins, Maven, Git, Ansible, Puppet, AWS, Nginx, docker,Tomcat.

**Project # 2: -**

**Client: TRAMS-support** (Thomson Reuters Application Management Services)

**Role:** Devops Engineer

**From:** Dec 2017-MAY 2019

**Project Description:**

The Novus Suite Architecture was implemented by leveraging a collection of Thomson Reuters software modules originally termed CAMS (the Cobalt Application Management Suite). Over time, CAMS was repurposed to be a more general set of modules which could be used by any number of software products within the company. To highlight the technology neutral role of these services, CAMS was renamed to TRAMS (the Thomson Reuters Application Management suite) in 2013.

**Roles and Responsibilities:**

* Deploy and monitor scalable infrastructure on **Amazon web services** (AWS) & configuration management using **ANSIBLE**.
* Configuring the **Docker** containers and creating docker files for different environments.
* Designed Puppet Modules to manage configurations and automate installation process.
* Coordinate/assist developers with establishing and applying appropriate branching, merging conventions using **GIT** source control.
* Configured and maintained Jenkins to implement the CI process and integrated the tool with Ant and Maven to schedule the builds and automated the deployment on the application servers using the CLUSTERING SERVICES WITH **KUBERNETES.**
* Continuous Delivery is being enabled through Deployment into several environments of Test, QA, Stress and Production using Jenkins.
* Maintained build related scripts developed in Maven and Shell. Modified build configuration files including **MAVEN'S POM.XML.**
* Automate the builds and deployment of JAVA projects using Maven and **Jenkins**.
* Implement, maintain and support reliable, timely and reproducible builds for project teams
* Hands on experience in automating builds and deployment process using Shell scripting.
* Created the VPC’s, configured the subnets, attached the gateway and routing tables to the subnets and deployed the EC2 instances in the subnets created.
* Hands on experience in EC2, VPC, Subnets, Security Groups, Cloud Watch AWS.
* Managed and monitored the server and network infrastructure using **Nagios**.
* Work with development/testing, deployment, systems/infrastructure and project teams to ensure continuous operation of build and test systems.
* Provided end-user training for all **GITHub** users to effectively use the tool.
* Created and configured **KUBERNETES CLUSTER using AWS KOPS WITH KUBECTL .**
* Maintained  **PODS ,SERVICES,LOADBALANCERS ,SECRETS,CONFIG MAPS AND DEPLOYED APPLICATIONS to cluster for CONTINUOUS DEPLOYMENT.**

**Environment** : CI/CD , AWS, Shell, Jenkins, Docker, Maven, Nagios, CloudWatch,

Git ,KUBERNETES WITH KOPS AND KUBECTL.

**CURRENT PROJECT: -**

**Client: ACE ACADEMY** (DEEP-LEARN Management Services)

**Role:** Devops Engineer

**From: JUNE2019-TILL DATE.**

**Project Description:**

Deep learn as a project strives to digital marketing of Ace academic competitive community

with connecting the rural and backward classes of society to the urban infrastructure

allowing them achieve the goals with enhancement in educational approach to prepare for

competitive challenges.

**Roles and Responsibilities:**

* Configuring the projects with continuous integrations using **AWS CODEBUILD and integrate it to docker .**
* Configuring the **Docker** containers and creating docker files for different environments.
* Designed Puppet Modules to manage configurations and automate installation process.
* Coordinate/assist developers with establishing and applying appropriate branching, merging conventions using **BITBUCKET** source control.
* Configured and maintained Jenkins to implement the CI process and integrated the tool with Ant and Maven to schedule the builds and automated the deployment on the application servers using the CLUSTERING SERVICES WITH **KUBERNETES.**
* Continuous Delivery is being enabled through Deployment into several environments of Test, QA, Stress and Production using Jenkins.
* Maintained build related scripts developed in Maven and Shell. Modified build configuration files including **MAVEN'S POM.XML.**
* Automate the builds and deployment of JAVA projects using Maven and **Jenkins.**
* Provided end-user training for all **BIT BUCKET** users to effectively use the tool.
* Created and configured **KUBERNETES CLUSTER using AWS KOPS WITH KUBECTL and GOOGLE CLOUD ENGINE.**
* Maintained  **PODS ,SERVICES,LOADBALANCERS ,SECRETS,CONFIG MAPS AND DEPLOYED APPLICATIONS to cluster for CONTINUOUS DEPLOYMENT.**

**Environment** : CI/CD , AWS, Shell, JENKINS Docker, Maven, CloudWatch,

BIT BUCKET ,KUBERNETES WITH KOPS AND KUBECTL AND GOOGLE

CLOUD ENGINE.