**DEVOPS & AWS CLOUD ENGINEER**

**K ARUN KUMAR +91 9533258310**

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**Summary:**

* 4.1 years of strong IT experience in Software Configuration Management and DevOps engineering.
* Build Management – Experience in tools such as **Jenkins, Maven, and Nexus for build management**
* Hands on experience with Configuration Management Tool such as **Ansible** and also Expertise in writing **playbooks** and creating **Roles for Scalability and Reusability** in **Ansible.**Worked cloud AWS services EC2, VPC, S3, Cloud watch, Terraform and IAM, SNS, ECS, security Group, NACL in VPC, RDS, Route53.
* Worked on server less architecture as a AWS Lambda, API Gateway, DynamoDB.
* Worked on configuration management tool Ansible.
* involvement in developing **APIs**using **Kubernetes** to manage and specify the copies of the containers to run the actual servers in the cloud environment. **Scheduled**, **deployed** and managed **container**.
* Managing the environments on-premises windows and Linux environments and as well as cloud AWS.
* Worked on configuration management tool Ansible.
* Good understanding of Database Management Systems.
* Setup a Monitoring and Analytics tools Prometheus and Grafana, CloudWatch service.
* Experience with Continuous Integration toolsets (Jenkins, SonarQube, maven, etc.) and Continuous Deployment methodologies.
* Having knowledge of Container Management and Orchestration Tools like Dockers, Kubernetes and Terraform.
* Experience in creating VPC, Subnets and setting up EC2 instances and adding instances to respective subnets.
* Deployed configuration management and provisioning to AWS using **Terraform.**

**Skill Set:**

|  |  |
| --- | --- |
| Languages | YAML |
| Application Servers | Tomcat |
| CI/CD | Jenkins |
| Cloud Computing | Amazon Web Services. |
| Containerization Platform | Docker |
| SCM | GitHub, Git, Gitlab. |
| Scripting | Shell |
| Operating Systems | Linux (CentOS, Amazon Linux, Ubuntu), Windows |
| IAAC | Terraform |
| Serverless Architecture and Data base | AWS Lambda, DynamoDB |
| Config Management Tools | Ansible, Terraform |
| Orchestration Tools | Kubernetes (K8S) |

**Work experience: -**

**Working as a DevOps Engineer** in VSN & Information technologies private limited, **Hyderabad from Dec 2018 to till Date**.

**PROFESSIONAL EXPERIENCE:**

**Project 1:**

Project Name : ICT HEALTH care

Role : Jr. DevOps Engineer

Date : Dec’ 2018 to Sep’ 2019

Tools : GIT, Maven, Jenkins, Tomcat, AWS services, Docker, Ansible.

**Responsibilities:**

* Worked on Jenkins by installing, configuring and maintaining Jenkins for automated build and deployments.
* Knowledge on creating Jobs and build pipelines in Jenkins.
* Creating and maintaining jobs in Jenkins for automated build and deployments.
* Installing Plugins in Jenkins according to project needs
* Having knowledge of Container Management and Orchestration Software like Dockers, Kubernetes and Terraform.
* Perform Deployment of War files in Tomcat application servers using Shell scripts.
* We are hosting our web app into docker containers.
* Basic idea (installing & configuring) on SonarQube for Code coverage and code quality.
* Participating in Daily Scrum calls and discuss with team members if any blocking Issues or any priority tasks or bugs.
* Basic knowledge on shell scripting.

**Project-2:**

Project Name : Hospitality Management Solutions

Role : DevOps Engineer

Date : Oct’ 2019 to Aug’ 2021

Tools : GIT, Maven, Jenkins, Tomcat, Apache, AWS, Docker, Ansible, Shell.

Environment : Linux, Windows

**Responsibilities:**

* Creating branches and tags in GIT repositories and provided branches access permission to Dev team.
* Responsible for tagging and maintaining code on version control.
* Creating the Build & Deployment plans in Jenkins as per the project requirement.
* Configuring Jenkins as a common CI engine to build and promote application to DEV, QA, STG and UAT environments.
* Deploying the code to test environments using automated deployment tool Jenkins.
* Collaboration with Development, QA, Product Management on Build plans & schedules.
* Responsible in creating and releasing builds.
* Work closely with Development, QA teams on Build and Deployment issues.
* Troubleshooting application related issues by log verification.
* Supporting Client environment related issues.

**Project-3:**

Project Name : Banking

Client : IMB Bank

Role : DevOps Engineer, Aws Admin

Date : Sep**’** 2021 **to till date**

Tools : GIT, Maven, Jenkins, Tomcat, Apache, Docker, Kubernetes, Terraform.

Environmen**t :** AWS, Linux, windows

**Responsibilities:**

* Creating branches and tags in GIT repositories and provided branches access permission to Dev team.
* Responsible for tagging and maintaining code on version control.
* Creating the Build & Deployment plans in Jenkins as per the project requirement.
* Configuring Jenkins as a common CI engine to build and promote application to DEV, QA, STG and UAT environments.
* Deploying the code to test environments using automated deployment tool Jenkins.
* Worked cloud AWS services EC2, VPC, S3, ELB, Cloud watch, EBS, Terraform and IAM, RDS.
* Have knowledge on Kubernetes and terraform which were recently used for deployments of infrastructure.
* Used **Jenkins pipelines** to drive all micro services builds out to the **Docker registry** and then deployed to **Kubernetes**, Created **Pods** and managed using **Kubernetes.**
* Worked on Setup and Managing AWS services. (EC2Security Groups, IAM and VPC).
* Proficient with container systems like **Docker** and container orchestration like **EC2 Container Service**, **Kubernetes**, worked with **Terraform.**
* Created dynamic routing/load balancing capability enabling large application scaling, used ingress rules and **Ingress Controllers-Nginx.**
* Created a Continuous Delivery process to include support building of Docker Images and publish into a private repository- Nexus.
* Managed **Kubernetes**charts using Helm. Created reproducible builds of the **Kubernetes**applications, managed Kubernetes manifest files and Managed releases of Helm packages.
* Deployed configuration management and provisioning to AWS using **Terraform.**
* Provisioning and Managing infrastructure as a Terraform.

**Education: -**

* CE (B. Tech) in the year 2017 from JNTU Hyderabad.

**Personnel details: -**

Father’s Name : K Arun Kumar

Gender : Male

Nationality : Indian

Date of birth : 29-08-1995

Marital Status : Un-Married

Permanent Address : H No 16-189, Shankargunj, Wanaparthy Dist., Telangana State-508114.

**Declaration:**

I here declared by that the above information is true and correct to the best of my knowledge and believe it.

K ARUN KUMAR