**NARENDRA KADURU**

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**Objective**

* Dedicated DevOps engineer with 2+ years of experience in automation, CI/CD and cloud infrastructure. Good experience as a "DevOps/Build Release Engineer," which includes environment setup, automation processes, continuous integration, and infrastructure management with DevOps practice.

**Professional Summary**

* Skilled AWS DevOps Engineer with hands-on experience in implementation of Build and Deployment automation through CI/CD process and AWS Cloud (Amazon Web Services).
* Experience in working on **Git**, **Maven**, **Ansible**, **Jenkins, Docker, Kubernetes, Terraform, Vagrant.**
* Extensive knowledge of developing and executing DevSecOps pipelines in Jenkins, combining vital security technologies like **SonarQube, Fortify, and Black Duck** to improve code quality and security all the way through the development lifecycle.
* Hands-on experience with **Prometheus, Grafana, and Alertmanager** for system and application monitoring.
* Utilized **Ansible** for configuration management and automation of infrastructure provisioning tasks, improving system reliability and consistency.
* Skilled in using Docker and Kubernetes for containerization, and has experience in deploying apps using CI/CD pipelines to Amazon Elastic Kubernetes Service (EKS) clusters.
* Designed, built, and deployed multitude applications utilizing almost all of AWS, Including **EC2, S3, IAM, SNS, VPC, Cloud Watch, EBS, Elastic Load Balancer** (Application), **Route53, Auto Scaling** in launching EC2 instances, Cloud Trail, RDS, AWS CLI (Command Line Interface), Cloud Front, and DB Snapshots.

**Professional Experience**

* Worked as a **Software Engineer** in **iElektron Technologies** from Jan 2024 to Aug 2024.
* Worked as a **Senior Software Engineer** in **HCL Technologies** from Feb 2022 to Aug 2023.

**Technical Skills**

Operating Systems : Linux, Windows

Version Control & SCM : GIT, GitHub, GitLab

CI/CD Tools : Jenkins, GitLab CI/CD, Maven

Containers & Orchestration : Docker, Kubernetes, Portainer, ArgoCD

Container security / scanning : Docker Scout

Web & App Servers : Tomcat, Nginx, IIS

Artifact : JFrog Artifactory

Code Quality : SonarQube

Python security static analysis : Bandit

Configuration Management & Automation : Ansible, Ansible Molecule, Ansible Semaphore

Monitoring & Visualization : Prometheus, Grafana

Infrastructure as Code (IaC) : Terraform, Vagrant, Packer

Database & Migrations : MySQL, MongoDB

Database migrations/versioning : Flyway

Documentation : Sphinx, Markdown

Scripting & Languages : Bash, Groovy, Python, YAML, NPM

Developer / Ops Utilities : Postman, Putty, MobaXterm

**Work Experience**

**Project: Jupiter MBEAL.**

**Domain:** Automotive. **Client:** Mercedes Benz

**Role:** DevOps Engineer **Duration:** Jan 2024 to Aug 2024.

**Roles & Responsibilities:**

* Built Grafana dashboards to monitor the amount of server-side Davinci licenses.
* Built Grafana dashboards to monitor the Jira status of tickets and completed tickets.
* Configured and managed Prometheus for monitoring infrastructure, applications, and services.
* Integrated Prometheus with Grafana for better visualization.
* Used Prometheus exporters to monitor CPU, memory, and disk usage.
* Integrated Prometheus with Alertmanager to send alerts via email, Slack, and other channels.
* Set up and optimized Prometheus exporters (Node Exporter, cAdvisor) for system metrics collection.
* Used PromQL to query and analyze metrics for debugging and performance improvements.
* Used Grafana plugins and data sources to enhance dashboard functionality.
* worked on developing the RST pages for the Sphinx documentation for the project.
* Used extensions like Extlinks and Intersphinx to link to the documentation of objects in external projects.
* Hands on Experience in creating a VirtualBox VM using HashiCorp tools like packer and Vagrant.

**Project: REVO.**

**Domain:** Telecom. **Client:** Verizon

**Role:** DevOps Engineer **Duration:** Feb 2022 to Aug 2023.

**Roles & Responsibilities:**

* Managing the Monthly Releases and coordinating with team and client for deployments.
* Expert in troubleshooting build issues in Jenkins and hands on experience in deploying and managing Cl/CD pipelines.
* Quarterly, we conduct rehydration procedures on both Linux and Windows servers to ensure their optimal performance and security.
* Established a robust CI/CD pipeline to facilitate the seamless deployment of our applications across multiple environments.
* To increase security, new instances are created every three months using a CloudFormation template. AMI encryption adds an extra layer of protection. Data stored in volumes is detached from the old instance and attached to the new one. Ansible is used to manage the configuration of the CloudFormation template.
* created and implemented automation jobs in Jenkins to meet project needs, which greatly decreased the need for manual work and enhanced the speed of deployment.
* Integrated GitHub with Jenkins, enabling automated builds triggered by various methods, including webhook requests and polling the source code repository.
* Hands-on experience in using Maven as a build tool to create artifacts and efficiently push them to the Jfrog Artifactory repository.
* Developed a DevSecOps pipeline for our application, incorporating essential security technologies such as SonarQube, Fortify, and Black Duck to enhance the overall security posture and ensure the delivery of secure and reliable software.
* Led the migration effort to transition our Linux servers from CentOS to RHEL 8.7, ensuring a smooth and well-managed transition process.
* Migrated all build servers from JDK 8 to JDK 11, ensuring that our development environment is up-to-date and aligned with the latest Java standards and security updates.
* Established a Database Script Deployment Job utilizing Flyway, empowering SQL developers to version and maintain their scripts efficiently, promoting organized and controlled database changes throughout our projects.

**Education**

* **MTech** (Computer Science Engineering) From Jawaharlal Nehru Technological University, Anantapur 2018.

**Declaration**

I sincerely feel that working and to be served in your organization will fulfill my cherished goals. I, hereby, declare that above information is true to the best of my knowledge.

**Place: Hyderabad K.Narendra**