**SREEDEVI**

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**PROFILE SUMMARY: -**

Successful AWS/DevOps Engineer over 3+ years of professional Experience dedicated to automation and optimization that supports integration, deployment, and operating projects. Understands and manages the space between operations and development to quickly deliver code to customers.

* Implemented DevOps practices in an agile scrum environment.
* Good understanding of Git version controlling.
* Knowledge in working on various strategies for branches, merging and rebasing etc.
* Performed end to end automation of Build and Release life cycle using Jenkins.
* Experience in running Jenkins jobs in a distributed environment using master/salve.
* Well versed in creating Groovy script based pipeline scripts for Jenkins automation.
* Strong knowledge of Docker containerization.
* Working knowledge of using both Docker public and private registry for saving the Docker images.
* Well-versed in implementing load balancing, autoscalling, and fail over scenarios using Docker swarm.
* Proficient in configuration management using Ansible.
* Created playbooks and roles for automating tasks on the remote servers.
* Integrated Docker and Jenkins activities with Ansible for a centralized control.
* Has experience with the Cloud, as well as DevOps automation development for Linux systems. Seeking a position in AWS/ DevOps to contribute my technical knowledge.
* Skilled with Cloud to design Infrastructure as a Service (IaaS) Amazon Web Services - EC2, S3, VPC, ELB, RDS, Autoscaling, Route 53, CloudWatch, IAM and SNS.
* Utilizing Cloud Watch to monitor resources such as EC2, CPU memory, Amazon RDS DB services, Dynamo tables, EBS volumes to set alarms for notification or automated actions and to monitor logs for a better understanding and operations of the system.
* Configure Elastic Load Balancer (ELB) for distribution incoming application traffic across multiple EC2 instances.
* Creating AMIs, Snapshots, and Volumes and managing EBS Volumes.
* Deploy Jenkins to completely provision and manage AWS EC2 instances, volumes, DNS, and S3.
* Linux System Administration supporting RHEL and Oracle Linux. AMI builds; troubleshooting, shell scripting, backups and log file management.
* Support for all other AWS products such as S3, RDS, Elastic Load Balancing, and Route53 (DNS).
* Launching and configuring of Amazon EC2 (AWS) Cloud Servers using AMI's (Linux/Ubuntu) and configuring the servers for specified applications using Jenkins.
* Worked with Chef Enterprise Hosted as well as On-Premise user-data, Installed Workstation, Bootstrapped Nodes, Wrote Recipes and Cookbooks and uploaded them to Chef Server.
* Providing architectural design of DevOps solution and code implementation and migration.
* Written manifests/Recipes and Ruby scripts to customize the Chef as per our environment.
* Worked on web servers like Apache and application servers like Tomcat to deploy code.

**TECHNICAL SKILLS: -**

* Version control Systems : GIT
* Build Tool : Maven
* CI Tools : Jenkins
* Cloud : AWS
* Configuration Management : Ansible, Chef
* Containerization : Docker, Docker Swarm.
* Scripting languages : Shell Scripting.
* Web & Application Server : Apache, Nginx, Tomcat.
* Operating Systems : Windows, Linux.
* Monitoring Tool : Nagios, Cloud watch.

**EDUCATIONAL PROFILE:**

B.Tech in Computer science engineering from JNTU Hyderabad.

**EMPLOYMENT HISTORY:**

* Currently Working as Devops Engineer for Factset systems India pvt ltd, from Jan 2019 to till date.
* Worked as Aws engineer for ADP Systems from Nov 2017 to Dec 2018.

**PROJECT#1**

* Project Title : Kochfoods (USA)
* Duration : Jan 2019 to till date.
* Project type : Development and Production support.

**Roles and Responsibilities:**

* Launching Amazon EC2 Cloud Instances using Amazon Web Services (Linux/ Ubuntu) and Configuring launched instances with respect to specific applications.
* Defined AWS Security Groups which acted as virtual firewalls that controlled the traffic allowed reaching one or more AWS EC2 instances.
* Working on Multiple AWS instances, set the security groups, Elastic Load Balancer and AMIs, Auto scaling to design cost effective, fault tolerant and highly available systems.
* Configuring and Networking of Virtual Private Cloud (VPC). Written Ansible scripts to automate EC2 instances.
* Created Cloud Formation templates and deployed AWS resources using it.
* Creating S3 buckets and also managing policies for S3 buckets and Utilized S3 bucket and Glacier for storage and backup on AWS.
* Used AWS SDK to write scripts for EC2, load balancing, auto scaling services.
* Implemented AWS EC2, IAM, S3, Elastic Load balancer (ELB), and Auto scaling groups and services.
* Created alarms and notifications for EC2 instances using Cloud Watch.
* Installed and configured Nagios monitor tool performance on all nodes and Creating Cloud Watch alerts for instances and using them in Auto-scaling launch configurations.
* Hands-on in writing the Docker files for building images. Containerizing applications with Docker.
* Developing build and deployment pipelines using Jenkins, Maven, and ANT for Java applications. Strong working knowledge on GIT.
* Configuration management software like Chef. Performed infra automation tasks using Chef Bootstrapping instances using Chef and integrating with auto scalling.
* Manage the configurations of multiple servers using Chef. Written multiple recipes and also customized facts for efficient management of the Chef clients.
* Created scripts in Python to automate log rotation of multiple logs from web servers. Experience in build management and continuous integration tools. (Jenkins)
* Designed and build cloud service models including Infrastructure-as-a-Service (Iaas) Driving industry best practice implementation around CI/CD and infrastructure management.

**PROJECT#2**

* Project Title : NB Power Canada.
* Duration : Nov 2017 to till Dec 2018.
* Project type : Development and Production support.

**Roles and Responsibilities:**

* Defined and implemented the CM planning, release building, and scheduling activities Set up and maintained Development, QA, Pre-Production, and Production environments.
* Conducted dry runs for local testing using puppet apply --noop.
* Managed and controlled the execution of modules with respect to nodes from site. pp file. Defined and maintained different variables by node level, manifest level, top level.
* Created .erb templates, managed factors, managed convergence timings. Good understanding of the relationships like notify, subscribe, before, require.
* Created roles and profiles for rearranging the modules. Written puppet modules to configure open-Ssh server, vsftpd server, log rotate. Managed pre-production and production releases.
* Managed environment and infrastructure requirements. Managed overall integration activities.
* Administrated distributed version control system (Created accounts, branching, merging etc... on GitVersion control system).
* Planned strategies to meet the requirements of project on time.
* Strong knowledge and experience in creating Jenkins CI pipelines. Good experience in automating deployment pipelines.
* Trouble shoots issues along the CI/CD pipelines. Implemented Continuous Integration (CI) automation using scripts/ custom tools.
* Successfully implemented the automated model for release planning, building, testing, and validation Activities.
* Good understanding of installing Nagios server. Managed and configured nodes with the continuous monitoring tool Nagios.
* Scripting of administration tasks using Command Line Interface (CLI), Shell Scripting, and Python etc.