**DevOps / AWS Engineer**

**Suresh Babu B**

Email: sureshbalabommu7@gmail.com

Mob No: +91 8985697991

Career Objective:

To be able to work as a DevOps Engineer and build release management, configuration management in a whole new different environment where my skills in software Configuration Management and Software Development Life Cycle will be greatly challenged to meet the company’s objectives.

Skill Summary:

* Having 4+ years of Experience as a **DevOps Engineer** and **Build& Release, Configuration management,** & Deployment Automation Control, source code repository and Environment management activities.
* Experience in **AWS** services such as **EC2, EBS, ELB, Auto-Scaling, S3, IAM, VPC, RDS, Cloud Trail, Cloud Watch, Cloud Formation, Route53, SNS, ECS, EKS.**
* Hands-on Experience in configuration of Network architecture on AWS with **VPC, Subnets, Internet gateway, NAT, Route table.**
* Experience in using **Tomca**t and **Apache** web servers for deployments and for hosting.
* Perform deployments to multiple environments like Dev, QA, PRE-PROD, PROD environments.
* Experience in Installing, configuring and administering **Jenkins CI, CD** tool on Linux machines.
* Managed access control and plug-ins installations, configured Distributed builds using Master & slave concept in Jenkins to achieve Continuous Integration and Delivery (CI/CD)
* Created the Jenkins build jobs with maven and integrated with **nexus** artifactory.
* Hands-on knowledge on Continuous Integration server like **Jenkins** and deployment into **Tomcat server.**
* Working on Daily builds Using **Shell Script** to extract automates the build process.
* Used **Maven** as Build Tool for building of deployable artifacts (WAR & EAR) from source code
* Experience in Version Control System such as **GIT**.
* Experience with performance tuning and production deployments Integrating Jenkins and Git in AWS.
* Experience in **Agile** technologies such as Scrum, Sprints, and user stories.
* Used Maven as Build Tool for building of deployable artifacts (WAR & EAR) from source code
* Hands on working with **Docker**. Installing and creating Containers in Docker.
* Installation of **Splunk** Enterprise, Splunk forwarder, Splunk Indexer, Apps in multiple servers (Windows and Linux) with automation.
* Created and managed several cron jobs like backing up log files and configuration files.
* Experience in creating images and playing with containers on **Docker**.
* Experience in Ec2 container service **(ECS)** and **Docker engine** to deploy the **micro services-oriented** environments for scalable applications.
* Experienced in working automating deployment, and management of Containerization and repository like **Docker, ECS, Kubernetes.**
* Production experience in large environments using configuration management tool **Ansible**.
* Involved in the functional usage and deployment of applications in **Apache & Nginx**.
* Installed and configured **AppDynamics** tools for monitoring the Nodes.
* Hands on experience in repository management tools like **Nexus**, artifactory.
* **Cloud watch** for monitoring server metrics, creating alarms & integrating with **auto scaling.**

Technical Skills:

|  |  |
| --- | --- |
| Operating system | UNIX, Linux, CentOs , Ubuntu |
| Build Tools | Maven, npm |
| Version Control Tools | GIT / GIT HUB |
| Web/Application Server | Apache, Nginx, Tomcat |
| CI Tools | Jenkins |
| Monitoring Tools/Tools | Cloudwatch, Splunk, AppDynamic. |
| Cloud Technologies | AWS [AMI, EC2, Elastic IP’s, S3, Auto Scaling, ELB, VPC, SNS,  Rout53, Cloud Front, Cloud watch, Cloud Trail, IAM and  Cloud Formation and IAM]. |
| Database | MySQL, MSSQL |
| Configuration Tools | Ansible. |
| Scripting Language | Shell Scripting, Python Script. |
| Containerization | Docker, |
| Container Orchestration tools | Kubernetes |
| Artifactory | Nexus, Jfrog, ECR, DockerHub |
| Defect tracking tool | Jira, Service Now |
| Provisioning Tools | Terraform, Cloud Formation |

Professional Experience

Working as a DevOps Engineer for Genpact from **March 2018** to till date.

Professional Qualification:

|  |  |  |
| --- | --- | --- |
| **Qualification** | **University** | **Year of Passing** |
| MBA | JNTUA | May 2017 |

Professional Experience:

Client : AT&T

Role : Devops Engineer

Duration : May 2017 to Till to Date

**Synopsis: AT&T is the biggest wireless service provider in United States. My role involved in designing and deploying multitude applications, utilizing almost entire AWS stack (including EC2, Route53, S3, RDS, IAM, Rout53, Dynamo DB, EBS, VPC ECS, ELK, Auto scaling), focusing on Ansible (configuration and management tool), fault-tolerance, auto-scaling and monitoring.**

**Roles and Responsibilities:**

* Setup/Managing Linux Servers on Amazon (EC2, EBS, ELB, SSL, Security Groups, RDS and IAM).
* Setup/Managing VPC, Subnets; make connection between different zones; Blocking suspicious ip/subnet via ACL.
* Performed S3 buckets creation, policies and also on the IAM role based polices and customizing the JSON template.
* Create/Managing buckets on S3 (CLI) and store db. and logs backup, upload images.
* Installed application on AWS EC2 instances and also configured the storage on S3 buckets.
* Setup/Managing Databases on Amazon RDS. Monitoring servers thorough Amazon Cloud watch, SNS.
* Creating/Managing DNS records on Amazon Route 53 and go-daddy panel.
* Created users, repositories, branching, tagging, and users on the Git version control system.
* Monitored the automated build and continuous integration process to ensure correct build execution, and facilitate resolution of build/ release failures.
* Performed build and release of all software cycles engineering, test, production, update, patches and maintenance.
* Automation scripts, configuration management and Deploymentin Ansible.
* Maintained Jira for bug tracking and monitored consistently.
* Creating and Building jobs, CI/CD**,** and Configuration**,** trouble-shooting of Jenkins.
* Deploying the Jar and war into TomcatApplication Server.
* Experience in building, maintaining and coordinating an automated build/ release from development to production environment.
* Worked on Group and User administration, startup & shutdown scripts, Crontab, patches and maintenance. File system maintenance, Backup scripts and Automation.
* Set up of Application environment which includes installation of products like Apache Tomcat server on UNIX, Linux and Windows platform.
* Installed, configured and administration of Tomcat Application Server Network Deployment on Linux, UNIX and Windows Server.
* Build scripts using MAVEN build tool in Jenkins, Sonar to move from one environment to other environments.
* Responsible for bringing up the various server environments like DEV, QA, Prod like and Production env’s..
* Responsible for change management process and release management
* Worked with container-based deployments using Docker. Working with Docker images, Docker hub and Docker registries.
* Deploying the master, worker nodes, and management components within the cluster, such as Ingress application load balancer, at cluster creation time in Kubernetes.

**SureshBabu**