**AWS DevOps Engineer**

**SAI RAM DODDI**

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**OBJECTIVE:**

To be an indispensable part of a value driven organization that provides ample growth opportunities and continuous learning environment to enhance my career prospects while making optimum utilization of my skill set.

**PROFESSIONAL SUMMARY:**

* Having **6 years 4 months** of total experience.
* Having **4+ years** of IT experience as an AWS DevOps Engineer and system admin role in the field of Software Configuration Management.
* Knowledge on Cloud Technologies including Infrastructure as a Service, Platform as a Service & Software as a Service **(IaaS, PaaS, SaaS).**
* Having an experience in implementing new **Windows and Linux EC2 instances** according to the client requirement.
* Knowledge on Infrastructure as a Code **Terraform.**
* Experience in working on source control tools like **GIT.**
* Created and Maintained **GIT repositories, branches**.
* Expertise in using **MAVEN**as build tools for the building of deployable artifacts (jar & war) from source code.
* Installed and administered **Artifactory repository** to deploy the artifacts generated by Maven and to store the dependent jars, which are used during the build.
* Having Good Experience on **Docker.**
* Experience in Installing **Jenkins/Plugins for CI** (Continuous Integration).
* Implement a **Continuous Delivery pipeline with Jenkins and GitHub, Maven, Docker, Nexus**.
* Ability in managing all aspects of the software configuration management process including code compilation, packaging / deployment / release methodology, and application configurations.
* Responsible for Continuous Integration (CI) and Continuous Delivery (CD) process implementation-using Jenkins along with Shell scripts to automate routine jobs.
* Worked on **Configuration management tool Ansible**.
* Configured and installing applications using **Ansible playbooks**.
* Troubleshooting and problem solving of **Linux** servers, debugging OS failure.
* Ability in development and execution of **Shell Scripts.**
* Experienced with **AWS** Cloud platform and its features, which includes **EC2, S3** etc.
* Deploying the code through web application servers like **Apache Tomcat.**
* Back up of all the volumes will be taken with the help of **snapshot technology**.
* Design roles and groups for users and resources using **AWS Identity and access Management (IAM).**
* Configuring the **storage S3** and **Glacier**.
* Configuring the servers in **VPC**.
* Configuring the **VPC peering** between the same regions and different regions.
* Configuring **Cloud watch alarms on the required nodes**, **load balancer**, **Auto Scaling.**
* Have good problem-solving skills, can work independently and in a team environment.
* Knowledge of using different Protocols like **SSH, HTTP, HTTPS, NFS** and connect directly.
* Strong ability to troubleshoot any issues generated while building, deploying and in production support.

**WORK EXPERIENCE:**

* Working as an **AWS DevOps Engineer** **at Creative Tech Mars Software Solutions Pvt Ltd, Hyderabad** from March 2018 to till date.
* Worked as **Linux Administrator at Creative Tech Mars Software Solutions Pvt Ltd, Hyderabad** from Feb 2017 to March 2018.
* Worked as **Asst Production Engineer at Kamakshi Metal Arch Pvt Ltd, Rajahmundry** from Nov 2014 to Oct 2016.

**EDUCATIONAL QUALIFICATION:**

**B. Tech (Bachelor of Technology)** during 2010-2014 from Jawaharlal Nehru Technological University, Kakinada.

**PROFESSIONAL SYNOPSYS:**

Cloud : Amazon Web Services.

Operating System **:** Linux, CentOS 6, 7 & 8, Windows

Infrastructure as code : Terraform

Versioning Tools **:** GIT

Build Tools **:** Maven

Ticketing Tools **:** JIRA

Scripting Languages : Shell Script, YAML, Docker file

Application Server **:** Tomcat

Web Servers **:** Apache

CI Tools **:** Jenkins

Containerization Tools : Docker

Server **:** Apache, Tomcat

configuration management **:** Ansible.

Monitoring Tools : CloudWatch, Nagios

**PROJECT SUMMARY**

**Name : Creative Tech Mars Software Solutions Private Limited.**

**Client : GE Capital.**

**Role : AWS DevOps Engineer**

**Environment : Linux, AWS, GIT, Maven, Jenkins, Docker, Ansible, Terraform**

**Duration : From March 2018 to till date.**

**Roles and Responsibilities:**

* Designing and implementing fully automated server build, management, monitoring and deployment solutions for multiple platforms, tools and technologies including Jenkins Nodes/Agents, Amazon EC2.
* Installation and configuration of Git, merging code from developer branch to master branch and make it ready for deployment.
* Knowledge on **Terraform** to automate systems.
* Maintained and administered **GIT** source code tool, Created Branches, Labels and performed Merges in GIT.
* Experience in building & deploying **.WAR, .JAR** files on test, stage & production servers.
* Experience in **Installing Jenkins/Plugins.**
* Experience in implementing Continuous delivery using **Jenkins**, **Maven**, and **Docker**
* Manage Build and Release requests using **Jenkins and managing plugins**.
* Created **Docker files, build images and push** to the **Docker** private registry.
* Configuring a system, Management of Plugins, Creating & Scheduling jobs, viewing the system logs using **Jenkins**.
* Worked on configuration management tool **Ansible Mater-Slave** for automation engine that automates software provisioning and application deployment.
* Documentation of installation of much software such as **Apache-tomcat, MySQL, java** etc.
* Installation of **Nexus** in Windows or Linux.
* Installation of **SonarQube** in Windows or Linux.
* Launching and configuration of new machines in cloud for client applications.
* Launch the EC2 instance based on requirement, performing the instance stop, start and Reboot Actions based on requirement.
* Hands on experience in Amazon Web Services (AWS) provisioning and good knowledge of AWS services like EC2, **S3**.
* Creating the **IAM user** and grating the permission using IAM role and polices to securely use of AWS resources.
* Creating the **Cloud watch** and send the notification to respective stake holder’s when it reaches the threshold using the **SNS topics**.
* Creation of data base instances in **RDS** and give permissions to the users, and perform administration tasks.
* Good Knowledge in creating **Virtual private cloud (VPC)** (Public subnet, Private subnet, NAT, Internet Gateway).
* Coordinating with other internal teams for trouble shooting production issues.
* Utilized Cloud Watch to monitor resources such as EC2, Amazon RDS services, EBS volumes, to set alarms for notification or automated actions and to monitor logs for a better understanding and operation of the system.
* Setup and manage cached **content delivery** using **Cloud Front**.
* Worked on **EFS** for sharing files.
* Worked on **Load Balancer**.
* Implementation of **Auto Scaling**.
* Backup & Restoration.
* Setting up **EC2s**, Creating **VPCs**, modifying route tables accordingly, Creating ELBs and configuring them to work on the service ports as per the application’s need.
* Configured AWS Identity Access Management (**IAM**) Group and users for improved login authentication.

**Environment:** **AWS services (EC2, IAM, S3, Auto Scaling, Application Load Balancer, SNS, SES, Elastic Load Balancer, VPC, VPC Peering, RDS, Cloud front, Cloud Watch, EFS, Session Manager) GIT, Apache Tomcat, Jenkins, Ansible, Maven, Docker**, **Terraform.**

**Company : Creative Tech Mars Software Solutions Private Limited, Hyderabad.**

**Client : Novartis Pharma, Fort Worth, TX**

**Designation : Linux Admin**

**Duration : Feb 2017 to March 2018**

**Roles & Responsibilities:**

* Having regular onsite calls for gather requirements on existing supporting applications.
* Performed hardware and software upgrades as requested and approved.
* Configured, tested, and managed software installs
* Managed and maintained user accounts
* Creation of administration tasks such as backup, database
* Configuring and deploying new servers with required operating system.
* Basic User Administration requests [user add, group add, passwd reset password lock / unlock].
* Installing/updating the required packages and managing the patches and providing timely administrative tasks.
* Troubleshooting Authentication problems, like password less from one server to another server key generation, File System mounting and unmounting.
* Configuration & package installation through YUM.
* Created shell scripts and cron jobs that monitored and reported security issues.
* Performed admin duties for Linux server.
* Call support when required.

Regards

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