

SUMMARY

Vamsidhar Reddy

AWS DevOps Engineer

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- Skilled professional in the IT industry for over **4+ years** working in **AWS** and advanced **DevOps** Technologies inside the cloud infrastructure utilising **AWS** managing applications using build release management.
- Having good exposure in CI tools like **Jenkins**.
- Expertise on Installation and Configuration of Continuous Integration tool **Jenkins**.
- Configuring Jenkins job with related Plugins for Building, Testing and Continuous Deployment to accomplish the complete **CI/CD**.
- Managed environments DEV, QA, UAT and PROD for various releases and designed instance.
- Experience in Infrastructure Development and Operations involving **AWS cloud services, EC2, EBS, VPC, RDS, SES, Secrets Manager, Auto Scaling, API Gateway, Route 53, SNS**
- Managed and supported AWS security related issue such as IAM and S3 policies for user accounts.
- Experience with container based deployments using **Docker**, working with **Docker images, DockerContainers, Docker files** and **Docker registries**
- Exposure to JIRA defect tracking tools for tracking defects and changes for Change management.
- Hands on Experienced on creating, maintaining and administrating repositories in **GitHub, Subversion** and **CVS** as source code management within organization. .
- Experienced in creating **Docker** containers using **Docker** files to run multiple microservices applications worked on **Docker** components like **Docker Engine, Docker Hub** and **Docker Registry**.
- Experienced in setting up **Kubernetes** clusters for running microservices applications in Dev & Staging environment. Managed and created pods using **Kubernetes**.
- Expert in **Server Builds, Installs, Upgrades, Patches, Configuration and Performance Tuning in Red Hat Linux**.
- Experienced in setting up relational databases in cloud platforms like **AWS Dev, Testing and Staging** environment.
- Used **Jenkins** pipelines to drive all **Microservices** builds out to the **Docker** registry and then deployed to **Kubernetes**, Created **Pods** and managed using **Kubectrl** to deploy & manage applications.
- Good Experience in Linux commands.
- Excellent communication, team membership and relationship management skills.

TECHNICAL SKILLS

Operating Systems	Linux, Ubuntu, CentOS and Windows.
Public & Private Cloud Technologies	Anisble, Terraform
Version Control Tools	Git, GitHub, TFS
CI/CD Tools	Jenkins, Jules
Application Servers	Apache Tomcat, JBOSS
Performing / Monitoring & Bug Tracking Tools	CloudWatch, Nagios, Confluence, Jira.
Database	Oracle DB
Container Orchestration Tool	Kubernetes

ORGANIZATIONAL EXPERIENCE

INFOSYS (NOVEMBER 2020 - AUGUST 2022)

PROJECT: 01

Client: HSBC

Duration: November 2020 – Aug 2022

Role: DevOps Engineer

- Hands-on experience in infrastructure development and operations involving **AWS (Cloud Formation, Cloud Trail, Cloud Watch, Code Build, Code Commit, Code Deploy, Code Pipeline, EC2, EBS, Elastic Beanstalk, IAM, Dynamo DB, Elastic Cache, Lambda, API Gateway, AWS Import/Export, CLI Scripting)**.
- Responsible for building Infrastructure of various environments on AWS cloud using various AWS services and maintenance of AWS environment.
- Experience in provisioning highly available and scalable infrastructure.
- Migrating the whole infra from one region to another(AWS internal).
- Deployed the artifacts to **Tomcat Web Server** and Involved in development of **AWS POC**.
Configured **Ansible** to manage **AWS Environments** and automated the build process for core **AMIs** used by all application deployments including **Auto scaling**, and **Cloud Formation Templates**.
- Configuring the DNS Server names with windows & Linux applications as per requirements
- Worked on docker image to launch the Internal load balancer Container based application like Nginx load balancer
- **Orchestrated** and **Migrated CI/CD** processes using **Cloud Formation** and **Terraform Templates** and **Containerized** the infrastructure using **Docker** and **Kubernetes** deployed using **Kops**.
- Used **Splunk** to Manage logs and tracking bugs in Dev, QA and staging environment. Successfully created

- **Splunk** dashboards and Extensive experience in creating **Splunk UI** experience and resolved search queries.
- Experienced in **Troubleshooting. Splunk** search, quotas, monitor Inputs, **WMI Issues, Splunk crash logs** and **Alert Scripts**. Converted complex logs into visual graphs and reports which easily simplified troubleshooting.
- Written **Cloud Formation Templates (CFT)** in **JSON** and used **YAML** files to declare and call parameters to build the **AWS** services with the paradigm of **Infrastructure as a Code**.
- Successfully created **CI/CD Pipeline** for cloud-based **Java** three -tire applications which were running on **AWS** And automated those pipelines using **Jenkins, Maven/, GIT**.
- Launched **Kubernetes** to provide a platform for automating deployment, scaling and operations of application containers across clusters of hosts.
- Experience in Virtualization technologies like **VMWare** worked with containerizing applications like **Docker** and **Kubernetes**.

HCL TECHNOLOGIES (APRIL 2016 - MAY 2019)

PROJECT: 02

Client: CITI - COTS

Duration: April 2016 – May 2019

Role: DevOps Engineer

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- Managed **Amazon Web Services** like **EC2, S3 bucket, RDS, EBS, ELB, CFT, Auto-Scaling, AMI, IAM** through **AWS CLI** and API Integration with Ansible Code.
 - Involved in the migration of on premises infrastructure and applications to **AWS Cloud**. Complete ownership to Build entire product using CI/CD. Ability debug and fix build issues across numerous Linux and Unix platform with hands on experience of **Amazon AWS cloud**.
 - Maintained branches/forks in **GITHUB** version control for the changes made in playbooks as release and used **Git-Hub** and resolved conflicts while migration from **Sub Version** to **GITHUB** merge issues, **Cherry-Pick, Code Promotions** in **GITHUB**.
 - **Management** solutions based on **Kubernetes** platform, using **Java**.
 - Reduced **Build Deployment** times by designing and implementing **Docker workflow** and running **Docker Containers** in a **Production Environment**.
 - Used **Maven Dependency Management System** to deploy **Snapshots** and release artifacts to **Nexus** and share artifacts across projects in organization.
 - Launching Amazon EC2 Cloud Instances using Amazon Web Services(Linux/Ubuntu/RHEL) and Configuring launched instances with respect to specific applications.
 - Automating the Infrastructure setup (from lancing the different component to configuring it.) using shell scripting and chef
 - Performed S3buckets creation,policies and also on the IAM role based polices and customizing the JSON template.
 - Implementation of different monitoring tools and setting up the alerts for any critical events using App-dynamics, Zabbix and CloudWatch.
 - Supporting different environments like Prod, Dev and Staging.

ACADEMICS

* B.Tech (CSE) from Jawaharlal Nehru Technology University, Hyderabad in 2014.

DECLARATION

I Hereby declare that the information furnished above is true to the best of my knowledge .

Place: Hyderabad

Date:

(Rachuri Vamsidhar Reddy)