**Mohan Reddy** 

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Professional Experience

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| * Having 6**+ years** of professional experience as an **AWS DevOps Engineer**. * Good exposure to all phases of Software Development Life Cycle (**SDLC**). * Work closely with **Development** and **QA** teams to identify, prioritize and drive issues to resolve quickly. * Experience in Infrastructure Development and Operations, involved in designing and deploying utilizing almost all the AWS stack like **EC2**, **EBS**, **S3**, **VPC**, **RDS**, **IAM**, **ELB**, **Autoscaling**, **CloudFormation**, **CloudWatch, Lambda,Route53,SNS,SQS**. * Created a portable fully automated test tool, allowing 24/7 integration support for two development sites around the world and decreasing code turnaround time from 4 hours to 1 hour. * Design and implementation of low-latency, high-availability, and performing applications. * Deployed and accessed EC2 instances worked with EBS Volumes and Snapshots and Customized and created Amazon Machine Images. * Back up the EC2 instance volumes by creating a snapshots and saving them in **S3buckets** for disaster recovery (DR). * Designed and deployed instances on a highly secured, network isolated environment using Amazon **VPC**. * Installation, troubleshooting and changing the kernel parameters in Linux File Systems. * Experienced in building and deploying Java web applications on **Tomcat,** servers in **Windows** and **Linux** environment. * Experienced in working with SCM tools like **GIT** and build tool like **Maven**. * Executing, verifying, and troubleshooting full software system builds. * Mentoring other team members in design, implementation phases to follow the best practices in DevOps to delivery robust application. * Automating the deployment and build of Application Servers across multiple environments, technologies and platforms. * Developing custom reporting tools, setting up automated health monitoring and alerting for builds and environments. * Automating the build, deployment and testing of Front End, Middleware and Database components. * Experienced on in Continuous Integration Tools like **Jenkins** and ticketing tool **JIRA.** * Designing, implementing and supporting fully automated Continuous Integration and Continuous Delivery processes. * Implementing and developing solutions enabling Development and Operations teams to build, deploy, monitor and test applications and environments. * Implementing monitoring and reporting solutions across a range of environments and platforms. * Evaluating and advising on virtualization and containerization solutions. * Environment provisioning solutions using **Docker**. * Setting up and introducing Continuous Deployment processes and advising on best practice. * Creating fully automated CI build and deployment infrastructure and processes for multiple projects. * Using **Docker**, **Jenkins**, **Kubernetes**, Artifactory, **Ansible**. * Developing scripts for build, deployment, maintenance and related tasks using Jenkins, Docker, Maven, Python and Bash. * Keep on top of multiple code branches and release milestones. Carefully track interdependencies and work with the Program Manager to help plan releases. * Participate in an agile development process from analysis of detailed or high-level product requirements through design and quick test development, execution and results reporting. |  |

Skills Profile

Technical knowledge

* **Cloud Service : AWS**
* **Version Control : Git and GItHub**
* **Build Tool : Maven**
* **Continuous Integration : Jenkins**
* **Database : RDS, MYSQL.**
* **Application Server : Tomcat.**
* **Configuration Mgmt : Ansible**
* **Containerization Tool : Docker, Kubernates, spinnaker.**
* **Monitoring Tool : Grafana,Cloudwatch,Splunk.**
* **Ticketing Tool : Jira, ServiceNow.**
* **Scripting Language : Shell Script& Python Script**
* **Operating System : Linux, Ubuntu.**
* **Log management : ELK, EFK.**

Certification:

AWS Certified Solutions Architect – Associate

Credential Identifier Credential ID XT90PPGJDE441256

Education

* **MBA** from **SV University** with 71% as aggregate in 2011.
* **B.Sc** (**Bachelor Science& Computers**) from **SV University** with 73% as aggregate in 2009.

Professional Experience

**Currently working as a Equifax India Ltd, Mar – 2021 to Till Date.**

**Project #3:**

**Title : CCMS**

**Client : Equifax India Ltd.**

**Role : Sr. AWS Cloud & DevOps Engineer**

**Environment : AWS, GIT, Jenkins, Maven, Docker, Ansible, Kubernetes, ELK, Prometheus, Grafana, terraform.**

**Roles &Responsibilities:**

* Experienced in working with version control systems like **GIT** and used Source code management client tools like GitBash, **GitHub**.
* Worked in all areas of Jenkins setting up CI for new branches, build automation, plugin management and securing **Jenkins** and setting up master/slave configurations.
* Integrating various Version control tools, build tools, nexus and deployment methodologies into **Jenkins** to create an end to end orchestration build cycles.
* Troubleshoot build issues in Jenkins, performance and generating metrics on master's performance along with jobs usage.
* Design, develop build and packaging tools for continuous integration build and reporting. Automate the build and release cycles.
* Experience in working with AWS resources like **IAM, EC2, EBS, S3, ELB, VPC, ECS, Lambda, Route 53, Auto Scaling, Cloud Watch, Cloud Front, Cloud Trail, Red Shift, SQS, SNS**and experienced in Cloud automation.
* Understanding of **AWS** solutions and experience of deploying public cloud as replacement for on premise hosting models
* Worked on AWS **CloudWatch**, **CloudFormation**, **Cloud Trail**services and **CloudFront**to setup and manage cached content delivery. Created **Elastic load balancers (ELB)**and used **Route53**with failover and latency options for high availability and fault tolerance.
* Experience in implementing **AWS lambda**to run servers without managing them and to trigger run code by **S3**and **SNS.**
* Automate provisioning and repetitive tasks using **Terraform**and **Python**, Docker container, Service Orchestration.
* Implemented AWS **Code Pipeline**and Created Cloud formation **JSON**templates in **Terraform**for infrastructure as code
* Building/Maintaining **Docker**container clusters managed by **Kubernetes**, Linux, Bash, GIT, **Docker**, on GCP. Utilized **Kubernetes**and **Docker**for the runtime environment of the CI/CD system to build, test deploy.
* Using **Kubernetes**, I have controlled and automated application deployments and updates and orchestrated deployment.
* Proficient with container systems like **Docker** and container orchestration like **EC2 Container Service**, **Kubernetes**, worked with **Terraform.**
* Used **Kubernetes**to orchestrate the deployment, scaling and management of Docker Containers.

**worked as a Unibic biscuits India Pvt Ltd, Jan – 2017 to Feb-2021**

**Project #2:**

**Title : Unibic Alert Management Application (FMCG)**

**Client : Unibic Biscuits India Pvt Ltd.**

**Role : Sr. AWS Cloud & DevOps Engineer**

**Environment : AWS, GIT, Jenkins, Maven, Docker, Ansible, Kubernetes, ELK, Prometheus, Grafana, terraform.**

**Roles & Responsibilities:**

* Used Jenkins, Build forge for Continuous Integration and Continuous Delivery (**CICD**) into Tomcat Application Server
* Created Docker files and build images and push to the Docker private registry
* Set up the local development environments through **Docker** containers for new developers.
* Developing build and deployment pipelines using **Jenkins**, **Maven** for Java applications
* Strong working knowledge on **GIT**.
* Developed a fully automated continuous integration system using Git, Jenkins and custom tools developed in Bash.
* Experience in build management and continuous integration tools. (**Jenkins**)
* Designed and built cloud service models including Infrastructure-as-a-Service (**Iaas**) Driving industry best practice implementation around **CI/CD** and infrastructure management.
* Administered version control system that included branching and merging Responsible for creating and developing the build process environment.
* Installing, configuring and administering Jenkins CI tool on Linux machines.
* Well-versed with Amazon Web Services (AWS) provisioning and good knowledge of AWS services like EC2, Elastic Load-balancers, ALB, **S3**, CloudFront, **EBS**, RDS, VPC,**Route53**, Cloudwatch, Cloud Trail, **LAMBDA**, CloudFormation, **IAM**.
* 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.
* Configuring and Networking of Virtual Private Cloud (**VPC**). Develop CloudFormation scripts to automate EC2 instances.
* Implemented AWS EC2, IAM, **S3**, EBS, Elastic Load balancer (**ELB**), AutoScaling.
* Created alarms and notifications for EC2 instances using Cloud Watch. Installed and configured Nagios monitor tool performance on all nodes.
* Set up and maintained Development, QA, Pre-Production, and Production environments.

**Worked as a Intuit India Pvt Ltd, Feb- 2015- to - Dec-2016**

**Project #1:**

**Title : EBS-RARE**

**Client : EBS\_RARE**

**Role : AWS Cloud & Sr.DevOps Engineer**

**Environment : AWS, GIT, Jenkins, Maven, Docker, Ansible, Kubernetes, Prometheus, Grafana, terraform.**

**Description:**

ENGIE is a global energy player and an expert operator in the three businesses of electricity, natural gas and energy services. The Group develops its businesses around a model based on responsible growth to take on the major challenges of energy’s transition to a low-carbon economy access to sustainable energy, climate-change mitigation and adaption, security of supply and the rational use of resources.

**Roles & Responsibilities:**

* Responsible for managing cloud computing tool AWS and the code in **Git** (version controlling).
* Experience deploying and operating **AWS**, specifically VPC, EC2, S3, EBS, IAM, ELB, Cloud Formation and Cloud Watch using the **AWS** console and AWS CLI.
* Implemented**CI/CD** using **Jenkins, GitHub** from scratch.
* Experienced in setting up Continuous Integration environment using Jenkins.
* Involved in monitoring builds, break/fix management, issue tracking, and identifying and resolving wide variety of build-related issues for different products.
* Installed and administered Artifactory repository to deploy the artifacts generated by Maven and to store the dependent jars which are used during the build.
* Development of **Aansible** play books to manage systems configuration.
* Build and Release EC2 instances Amazon Linux, Red Hat and Windows for development and production environment.
* Configuring the **Docker** containers and creating **Docker** files for various applications.
* Monitoring health of **Amazon EC2** instances and other AWS services Via **Nagious.**
* Maintained build related scripts developed in **Groovy,playbooks and shell.**
* Provide highly durable and available data by using **S3** data store.
* Utilize **Amazon Glacier** for archiving data.
* Configured and managing security groups and **VPC**.
* Used **Jira** as ticket tracking tool.