

VENKAT SAI KOTNI

CLOUD DEVOPS ENGINEER

ABOUT ME

A proactive result oriented IT professional with 6+ years of experience as AWS DevOps Engineer which includes Infrastructure (AWS, GCP, Linux), DevOps (Build & Release Management) with strong background on web applications, APIs, and database administration.

PROFESSIONAL SUMMARY

- Experienced in creating, configuring and maintaining Infrastructure on AWS Cloud services including Virtual Private Cloud (VPC), EC2, S3, Route53, SNS, CloudFront, CloudWatch and IAM.
- Experienced in migrating servers from datacenter to Amazon Web Services & Azure
- Dockerized every application and deployed into various containerized orchestration like ECS with EC2, Fargate, EKS
- Experienced in creating various dashboards, metrics, alarms and notifications for servers using AWS Cloud Watch, Grafana and Stackdriver.
- Experienced in creating complex IAM policies, Roles and user management for delegated access within AWS.
- Experienced in creating complex caching and routing policies with content delivery network (CDN) using CloudFront & Azure CDN to improve the page speed and TTFB values.
- Experience in self-hosted databases (MySQL, Postgresql, MSSQL) server installation, creating users, performing dump/restore and taking automated backups.
- Experience in working with version control systems like GIT and used Source code management tools GitHub, GitLab, Bitbucket including command line applications.
- Expertise Build and Release of software projects with CI CD tools like Jenkins, Codepipeline, Codeship for complete automation from commit to deployment.
- Extensively worked with serverless applications. Deployed .Net and Python applications in AWS Lambda using frameworks like serverless.com and Zappa.
- Created and Managed Self hosted Kubernetes on Aws, and migrated all the web APIs to containerized APIs.
- Ability to perform load testing with Jmeter and Blazemeter
- Experienced in Bug/Issue tracking tools like JIRA, Clickup.
- Knowledge of Software Development Life Cycle Methodologies Waterfall, and Agile.
- Experience on application servers like Tomcat and Nginx
- Strong work ethic with good Interpersonal and Organisational skills.

EXPERIENCE

Powerweave software solutions
Senior Cloud Devops Engineer
PROJECT: Phi1 Core

Feb 2022 to Till date

Roles & Responsibilities:

- Implementing and maintaining infrastructure on AWS and GCP
- Created repositories in code commit and maintaining the user access of Source code

CONTACT



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<https://devopsdebugger.blogspot.com>

TECHNICAL SKILLS

CI & CD:

Jenkins

Version Control:

Git

Source code Management:

BitBucket

GitHub

CodeCommit

GitLab

Cloud Platforms:

AWS

AZURE

GCP

Containerization:

DOCKER

CLOUDRUN

ECS

EKS

KUBERNETES

Monitoring Tools:

CLOUDWATCH

STACK DRIVER

GRAFANA

DATADOG

WebApp Servers:

NGINX

IIS

TOMCAT

Database Administration:

MSSQL

POSTGRESQL

MONGODB

MySQL

Bug Tracking Tools:

JIRA

CLICKUP

Testing tools:

J METER

BLAZE METER

Configuration Tools:

TERRAFORM

- Deployed Next js application on AWS **S3** and Edge **Lambda** with **Cloud front** routing by using serverless components
- Deployed Hasura (A GraphQL) Engine on GCP **Cloudrun** and maintained the console user access.
- Created a postgres database on AWS **RDS** and maintained the useraccess and attached the same to Hasura as Data Source
- Worked with VectorBt python application and deployed it into **Cloudrun**
- Configured a redis database for caching memory in Aws **Elasticache** and attached a Nat Gateway to make it accessible for the outside world.
- Configured Jenkins, automated all the deployments to respected service with Poll SCM
- Used **JIRA** to maintain the workflows and plan the releases
- Worked with On premises Linux servers to run Development environment
- Created Terraform scripts to automate Cloud infrastructure

Environment: AWS (S3, Cloudfront, Lambda edge, RDS, Elastic cache, Codecommit, Cloudwatch) GCP (Cloudrun, Gcr) , Jenkins, JIRA, Databases (Postgres, Redis), Terraform

PROJECT: PhiONE

Sep 2018 to Jan2022

Roles & Responsibilities:

- Developed complete infrastructure from scratch for this project
- Created various web API servers for applications like .Net, Python (Django & Flask), ReactJS, Java
- Created a new bitbucket server for maintaining source code and made it send every update about code pushes to slack by using webhooks.
- Automated the build and release management process with CI/CD across Dev, QA, Staging and Production environments including monitoring changes between releases.
- Implemented Jenkins for CI & CD across all applications and make it send every update to slack and emails.
- Dockerized all applications and deployed in AWS ECS with ec2 /fargate , and EKS.
- Used Apache tomcat for deploying JAVA web api.
- Implemented nginx servers as reverse proxy servers for basic authentication of several apis
- Deployed and configured ElasticSearch, Log stash and Kibana (ELK) for log analytics, full text search and application monitoring.
- Implemented Self hosted Database servers for MongoDB, MSSQL, MySQL and create
- Users and roles and take daily backups and restores.
- Used Cloudwatch and Datadog to monitor applications in the environment.
- Used Apache Jmeter and Blazemeter for load testing on various servers.
- Hands on experience on ClickUP, Trello, for creating bug tickets, workflows, pulling reports from dashboard, creating and planning sprints.

CERTIFICATIONS



EDUCATION

- ❖ Bachelor's with 75% in Aditya College.
- ❖ Intermediate with 95% in Visakha Junior College.
- ❖ SSC with 86% in ZPH school.

HONORS & AWARDS

- ❖ Innovation Annual R&R Apr21 to Mar22
- ❖ Outstanding Performance of the year 2019-2020 By Powerweave

- Maintained documentation for the entire installation process for various tools.
- Provided periodic feedback of status and scheduling issues to the management.

Environment: AWS (EC2, Beanstalk,ECS,EKS,VPC,Route53, Lambda, ES, Cloudwatch), Azure (Devops,SQL, Functions,app service,static webapps),Git, Bitbucket, Jenkins, Kubernetes, Nginx, MongoDB, mySQL, MSSQL, Clickup, Trello

**Skyway Infotech
Software Engineer**

Aug 2016 to Aug 2018

Roles & Responsibilities:

- Worked on tools like jenkins for build and deployments performed on Tomcat servers.
- Creating WAR/JAR files using maven scripts through Jenkins
- Installing and configuring GIT, Maven, Docker and Chef through Jenkins for Deployment and automation
- Responsible for the Plug-in Management, User Management, Build/Deploy Pipeline Setup and End-End Job Setup of all the projects.
- Working on SVN and Jenkins administration related tasks.
- Creating new branches in SVN and creating new jobs in Jenkins as per the project
- Build and configure Jenkins slaves for parallel job execution.
- Using configuration management tools like Chef and Ansible for configuring multiple servers
- Using Chef to write cookbooks and creating roles for scalability and reusability.
- Using Containerization technology (Docker) to create containers for multiple packages.
- Implemented NagiosXI to monitor all applications and all virtual servers.
- Installed servers and load balancers in virtualization technology by using VMware.
- Used Nginx to balance the load across virtual servers
- Troubleshooting the compilation errors and providing technical support to the development team.
- Troubleshooting application related issues by log verification.

Environment: VMware, AWS (EC2, Lambda, EBS, Autoscaling, CloudFormation, Cloudwatch, s3, Cloudfront, Api Gateway, Code commit, Codebuild, Code deploy), GIT, Bamboo, Tomcat, Httpd server, Nginx, NagiosXI, Docker, Virtualbox, Mysql

DECLARATION

I hereby assure that the above information is true and I will prove to be worthy of your confidence and satisfaction.

VENKATA SAI KOTNI