

Venkat Mudavath

Senior DevOps Engineer, Hyderabad

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Summary of Experience

Around 10+ years of experience in IT Professional and 7.5 years specialization in Cloud/DevOps Engineer, experienced in Azure DevOps, Amazon Web Services, Hadoop(Big Data), Build/Release Continuous Integration, Continuous Deployment, VMWare Infrastructure Administrations, Configuration Management on each packaging Quality Control and which also includes Trouble shooting and performance issues on Linux and Windows platforms.

- Extensive experience in building CI/CD pipelines using bitbucket, kubernetes cluster for end to end automations for all builds and deployments
- Extensive experience working with AWS provided solutions like EC2, ELB, VPC, Route 53, S3, ECR, IAM and CloudWatch.
- Expertise in trouble shooting the build issues, deployment and in production support.
- Good analytical, problem solving, communication skills and have the ability to work either independently with little or no supervision or as a member of a team.
- Exceptional ability to quickly in corporate and master new technologies.

Project Experiences

Name: Encora Software India Pvt Ltd.

Project-1: PPS Data 340BDirect+ (Feature Development)

Client: Zions

Senior DevOps Engineer | May 2023 – Present

Project Description:

- 340BDirect has empowered their customers with information and solutions to help them manage claims, payments and remittances. A technology and services company located in Salt Lake City, UT, Provider Pay is a wholly owned subsidiary of Zion Bancorporation. Provider Pay 340B has engaged with Prime to build and deploy an end-to-end 340B processing system for their client (Safeway). The 340B program enables authorized Covered Entities recognized by the Federal Government to supply the 340B drugs to eligible patients at a discounted rate. The Pharmacies tied under the Covered Entities will be benefitted from the dispensing fee revenue generated and the Covered Entities will be benefitted from the Admin Fee revenue generated.

Roles and Responsibilities:

- My current project is PPS Data 340BDirect+ (Feature Development) Pharmacies based project, so in this client am working one of the project, there are multiple around 30 micro services are there, those 30 micro service are developed in JAVA, Gradle application and the frontend is developed React JSON code.
- My Role is to make sure all the application should be study up and running and any application come to the under project create the pipelines and do the deployments into the ADO.
- In the deployment side current project we are using ADO tools for CI/CD pipeline.
- In the yaml file we will define all the stages and all the jobs form the developer commit the code to complete deployment to any environment.
- Whenever Developer push the code it will user “release-pipeline.yaml” file.
- The release-pipeline.yaml file will be there in the every micro service repo.

- When the developers commit the code it will go and look the yaml file and according to whatever the stages we define so that will execute.
- The pipeline there are different stages like checkout the code into the workspace location.
- In every micro service we are using some DevOps folder, in devops folder we will keep the docker file of the micro service and will keep the helm files so through the Docker file we build docker images get created.
- We are storing the Docker Images in the JFrog repository as well in the JFrog we have Docker registry and Once this start completed, we are using helm command, helm upgrades command, deployment name, different environment related values yaml file we will pass.
- Also we can pass multiple yaml file according to that environment variables we will deploy that particular Docker Image to kubernetes cluster and. Once we deployed application we are using Rancher.
- The Rancher is Open source tool, with Rancher we can able to monitor kubernetes cluster environment and Direct deployment through edit YAML file.
- Coordinate with the Offshore and Onshore teams for Production Releases.

Project-2: Cloud FAT Tool (FAT Starter Kit)

Client: Equiscript CP Customization and Branding

Senior DevOps Engineer | Dec 2022 – May 2023

- Coordinate/assist developers with establishing and applying appropriate branching, merging conventions using bitbucket source control.
- Created Elastic Container Registry in AWS environment to host the docker images which were created using docker files through bitbucket CICD Pipelines.
- Created a Database Server in same AWS environment.
- Created Elastic Kubernetes cluster setup in AWS to Deploy our Microservices.
- Created a jump host server in the same environment to host the EKS cluster and to handle all the deployment and monitoring steps into the EKS cluster.
- Created a storage bucket using S3 service for loading and retrieving the files.
- Using CloudWatch service to monitor live logs of every individual microservice running in the EKS cluster environment.
- CI/CD Pipeline Process from Bitbucket Repository:

Project-3: Qubole.

Client: Idera.

Senior DevOps Engineer | Oct 2019 – Dec 2022

- Provided L2 Support to client product Qubole which is an open secure multi-cloud data lake platform for machine learning, streaming analytics, data exploration and ad-hoc analytics.
- Worked on installation of –Spark, Presto, Hadoop and Airflow clusters.
- Monitored and Troubleshooted spark, hive, presto Jobs using Yarn resource manager.
- Coordinate with Development team and architect team and debug the clusters which are not able to connect to meta-store(Mariadb) to tunnels and bastion node, On both QA, Staging and production environments.
- Debugging production issues and infrastructure issues, Checking pods and finding the root cause analysis as this causing from code side or from infra side and providing document to higher team and architects for further implementation
- Experience in creating and managing custom image, vpc, subnets, security groups, Snapshot, Volumes, for clusters which are in qubole controle plane.

Previous Experience

Name: Tata Consultancy Services Ltd. Hyderabad.

Project: Azure ES LAB Support & Microsoft Datacenter.

Client: Microsoft India.

DevOps Engineer | Oct 2017- Oct 2019

- Experienced with using Microsoft Azure services (e.g. Virtual Machines, Virtual Networks, Subscription Management, Azure Active Directory, Azure Backup, Azure Site Recovery, IAM, and Storage Accounts)
- Hands-on experience on designing solutions for Azure Storage like adding, deleting and expanding storage of Azure ARM virtual machine in Azure portal as well as OS level and troubleshooting Windows end-user related issues.
- Engaged/ raise a case with Microsoft for further troubleshoot/diagnose to resolve high severity incidents.
- Creating and managing Subscriptions, Virtual machines.
- Infra Decommission, Snapshot Creation / Deletion / Restoration.
- Steps for Creating the Azure Subscription for the Projects.

Previous Experience:

Name: IBM India PVT Ltd. Hyderabad.

Project: State Street Corporation.

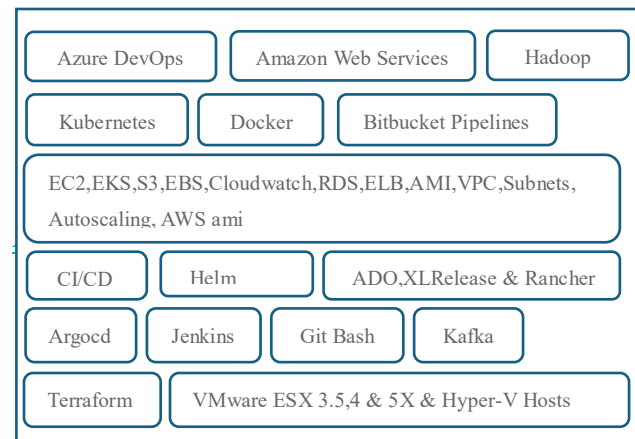
Client: SSC.

System Administrator| Jan 2015 – June 2017

Has almost 1000 servers. All are windows 2003, 2008 R2 and 2012 servers where most of them are VMs, Domain Controllers, SQL 2005 (with clustering), with multiple ESX, ESXi hosts One Common Host where it will have multiple servers with 6 domains. Mainly SQL servers as cluster nodes and banking application installed servers.

- Worked in IBM for State Street Corporation client, a US-based international financial services holding company. IBM Supports its IT infrastructure. State Street is organized into three main divisions. The Global Services business, Global Advisers and Global Markets business.
- Managed 600 Windows 2003/2007/2008/2012 Servers & 200 VM Servers based Servers for Data Centers for Business Regions in APAC, AMEC & North America

Skills & Technical Matrix



Acheivements

- Secured 289 rank in Residential address Graduate Aptitude Test In Engineering (GATE) 2010.
- Participated in Astra-2008, Dimensions, Varcas-2010-national level technical events on paper presentation and poster presentations.
- Organized and worked as a coordinator for Varcas-2010, a national level technical event conducted at Princeton College of Engg and Technology.

Educations

Master of Technology in CSE

Osmania University College of Engineering(A) at Hyderabad | Dev 2014| Percentage:75%

B.Tech in CSE

Princeton college of Engineering and Technology in computer science (JNTU) at Hyderabad | July 2011| Percentage:62%

Languages

- English
- Hindi
- Telugu