DevOps/Cloud Engineer

Name: **Amith Pramod Kumar Kadiyam**

Email: **amithkadiyam@gmail.com**

Mobile: **+91 - 9885053777**

in https://www.linkedin.com/in/amith-pramod-kumar-kadiyam-637094231/

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Career Objective:

To associate with a progressive organization that provides an ambience for learning and an opportunity to work to the potential towards its growth.

Professional Summary:

5+ years of experience as a **DevOps engineer**

- DevOps Engineer with 5 years of experience in **Kubernetes, Gitlab, GitHub, Terraform, Ansible, AWS, Docker,Shell scripting, Azure**

- Working experience in continuous integration using **Gitlab, GitHub, Terraform**

- Responsible for version control Management, Branching, Merging, and user group permissions.

- Automate the build process using continuous integration tools **Gitlab**

- Working experience in continuous delivery, Infrastructure as a Code using Terraform.

- Hands on experience in creating **Terraform modules,** for cloud automation (AWS) and Application deployment automation.

- Working experience on operating systems like Windows, Linux, Ubuntu etc

- Work with various development teams to build and support automated builds, supporting daily continuous integration.

- Deploying the **JAR** and **WAR** into Tomcat Application Server.

- Working with platforms like Windows and Linux.

- Dockers – creating new containers, mounting and starting services.

- Managed environments **DEV, Stable, Staging, UAT** and **PROD** for various releases and designed instance strategies.

- Hands-on experience in implementing containerization platforms using **Docker and Kubernetes**.

- Involved in configuring **CI/CD with Docker and Kubernetes**.

- Having good experience in Linux System Administration on Physical Servers and virtual.

- Proficient in independently handling **Building servers, Installations and configurations**.
- Strong experience in Building servers, Installation and configurations from scratch.
- Strong knowledge in Configuring and managing Linux **File System** management.

- Building and maintaining tools for deployment, monitoring, and operations
- Streamlining and automating operations and process
- Troubleshooting and resolving issues in test, development, and production environments
- Familiarity with **AWS** technologies such **as EC2, EBS, S3, ELB, VPCs, EFS, RDS, CloudWatch, and CloudFormation**
- Configuring the Linux servers using **Ansible** playbooks
- Installing, Configuring, and Managing Linux Servers, especially RedHat, in a Enterprise Environment
- User account administration

Employment Summary:

- Working as a **DevOps Engineer** for **Solutions30, Eastvantage Pvt Ltd (**HR organisation) Bangalore from March 2022.
- Worked as a **DevOps Enginee**r for **Destar Consulting Pvt Ltd**. From Jan 2018 to February 2022
Education Details:

- **B.Tech** from **JNTU Kakinada** Andhra Pradesh India in 2014.

Technical Skills:

Operating Systems	:	**Windows, UNIX and Red Hat Linux, CentOS**
Version Control Tools	:	**Gitlab, GitHub**
CI/CD Tools	:	**GitLab, Jenkins**
Web & Application Servers	:	**Nginx, Apache Tomcat**
Scripting	:	**Shell Scripting**
Build Tools	:	**Terraform, Maven**
Monitoring Tools	:	**Grafana, Prometheus, Kibana**
CM Tools	:	**Terraform, Ansible**
Cloud	:	**AWS**
Containerization Tool	:	**Docker, Kubernetes**
Services/Protocols	:	**NFS, DNS, DHCP, Apache, FTP**
Ticketing Tools	:	**Jira**

Project Profile:

Project   **: Telenet,Unit-T**
Duration   **: March 2022 – Till Date**

Project Description:
Solutions30 is the service provider in Europe for the major internet providers like telenet and provides the electric vehicle recharge solution.

Responsibilities:

- Worked closely with Product owner in understanding the requirements and generated reports as per the client requirements.

- Provision of Kubernetes cluster (EKS) from scratch using Terraform resources and modules.

- Provision of Load-balancers and Cluster Auto-Scaler.

- Configuring the Kubernetes Dashboard.

- Provision of all required Plug-ins.

- Setup/Managing Linux Servers on Amazon EC2 instances

- Configuring S3 buckets and SFTP S3.

- Creating IAM roles and policies.

- Provision of VPC and Network for the cluster and other services using terraform.

- Configuring the environments through Infrastructure as code (Iac)

- Setup various Gitlab jobs for build and test automation

- Created branches and managed the source code for various applications in Gitlab.

- Development of Terraform modules to manage systems configuration.

- Managed AWS EC2 instances for Gitlab.

- Worked on Installation of Docker Using Docker toolbox.

- Worked on creation of custom Docker container images, tagging and pushing mechanisms.

- Worked on creating the Docker containers and Docker consoles for managing the application.

- Involved in the installation and configuration of Nginx as a web server.

- Experienced in build and deployment of Java applications on to different environments such as DEV, Stable, Staging, UAT and Production.

- Branching, Tagging, Release Activities on Version Control Tools: Gitlab.

Project   : Online Insurance Management System
Duration   : Aug 2020 to February 2022

Project Description

John Hancock Financial Network (JHFN) is the retail distribution company of John Hancock Life Insurance Company, U.S.A., which is a wholly owned subsidiary of Canadian insurance company, Manulife Financial Corporation.

Responsibilities:

- Involved in automating platform management using configuration management using ANSIBLE.
- Good understanding of Ansible architecture and implementation structure to my client
- Working on Ansible cookbooks such as creating, uploading, downloading, deleting, and listing the Ansible cookbook
- Configured the Ansible workstation to manage the Ansible server using knife command
- Checking Ansible server and client logs as part of troubleshooting
- Tracking and monitoring all the automation scripts with the source code management tool such as Github
- Maintaining GIT Repositories, Handling Releases and Branching activities
- Extensively used Jenkins for continuous integration & delivery
- Configuring Jenkins jobs and schedule jobs using POLL SCM option and integrated the tools with Git & Maven
- Using nexus to store generated artifacts and versioning the artifacts with time stamp
- Creating EC2 Instance using image selection and adding N/w /security using VPC, Subnets, Security groups, Route Tables in AWS
- Worked on S3's buckets, ELB for distributing traffic among multiple web servers
- Monitoring various resources such as CPU utilization, memory utilization, file System space issue
- Daily involved in team stand-up calls.

Project   : AOI
Duration   : Feb 2019 to July 2020

<u>Project Description</u>

Manulife Financial Corporation is a Canadian multinational insurance company and financial services provider headquartered in Toronto, Ontario, Canada. The company operates in Canada and Asia as "Manulife" and in the United States primarily through its John Hancock Financial division.

 <u>**Responsibilities:**</u>

- Managing the working environments through configuration management tools like Ansible.
- Providing the day-to-day support to Ansible environment to the client
- Good understanding of Ansible architecture and implementation structure to my client
- Working on Ansible roles such as creating, editing, deleting, and listing the Ansible roles
- Working on Ansible cookbooks such as creating, uploading, downloading, deleting, and listing the Ansible cookbook
- Installing and updating the jenkins plug-ins to achieve CI/CD.
- Configured svn with Jenkins and scheduled jobs using POLL SCM option.
- Responsible for installing the Jenkins master and slave nodes.
- Working with developers and Testers to test the source code and applications through Jenkins plug-ins.
- Collaborate with different teams to deploy application code into dev, QA, and Staging.
- Environment: svn, Jenkins, Ansible, Tomcat.

Project   : Rain+ and Eximdesk

Duration : Jan 2018 To Jan 2019

<u>**Responsibilities:**</u>

- Handling of tickets based on the priorities and SLA.
- Provided L1 support to Linux issues.
- Installing development software through yum.
- Daily server health checks through Bash shell script.
- Monitoring the server's status through Nagios.
- Installed and configured Nagios monitoring tool to manage infrastructure.
- Identified and solved any issues or errors.
- Worked on Kernel tuning and Kernel patching.
- Managed Disk using LVM, resized disk space when required. Managed disk space from NetApp filers.
- Migrating VM's to other host's during maintains window
- Installation of operating systems like Linux, Ubuntu, CentOS,RedHat.
- Managing groups and user accounts assigned permissions to users.