ANAL DEB
Sr. Cloud and DevOps Engineer
Mobile: +91-8056234524/8825887946
Email: deb.anal387@gmail.com

Career Objective:

To pursue my professional career in a globally recognized organization and to give my best efforts utilizing all my skills and experience and collaborate with a team that enhances the organization's success.

Professional Summary:

- **8 years** of experience as **Sr. Cloud and DevOps Engineer**. I have working knowledge in areas like Build Automation, Deployment Automation, Infrastructure Provisioning and Containers.
- Extensively worked for end to end automation of continuous integration and deployment process using **Azure pipeline** and **Jenkins**.
- Developed **Terraform** templates for server provisioning and configuration of end to end HA **AWS** services using **EC2, S3,VPC,EKS, Cloud watch, RDS, ELB.**
- Worked on Azure Infra setup using **Azure VM, Azure AppServices, Blob storage, APIM, Azure Network** and **Azure AKS** for container based application deployment.
- Designing and Deploying multiple applications utilizing services of AWS stack like **EC2,S3,RDS,VPC,ELB** focused on high availability and fault tolerance..
- Worked on Azure for infra setup and Containers deployment using **Azure Kubernetes** and **Azure registry**.
- End to end setup of **DevSecOps** pipeline for application scanning using Sonatype, OWASP and Checkmarx scan.
- Experience in using **Maven** and **Msbuild** for automating end to end build process and generating deployable artifacts in JFrog artifactory.
- Working experience with **Ansible playbooks** for server configuration and deployment automation.
- Developed **Ansible** playbook for deployment automation and integrated with Jenkins.
- Experience with container based deployment tools like **Docker**. Creating **docker images**, working with docker hub and docker registries and deploying containers.
- Deployed containers in **Kubernetes** cluster in AWS using **Helm charts** for various microservices modules.
- Hands-on experience with **AWS IAM, VPC,Route53,API Gateway,Cloudwatch,Cloudfront** in configuring infrastructure for application migration.
- Experience in Setting the environment and working on Monitoring tools like **Azure Appinsights ELK Stack, Prometheus and Grafana.**

- Working experience on **Azure** for provisioning the environment using **Azure VM** and deploying the application using Application Gateway, App Services,Virtual Network and APIM.
- Experience on Virtual Private Cloud **(VPC)**, Elastic Load Balance (**ELB**), Security Groups, Amazon Machine Images (**AMI's**), Autoscaling and **AWS ECS**.

Awards and Certifications :
- Received '**Star of The Month**' for Best Performance in DevOps.
- RedHat Certified System Administrator (RHCSA)
- Certified AWS SysOps Associate (AWS-SOA)
- Certified Kubernetes Administrator (CKA)

Educational Summary:
- Completed Bachelor of Engineering in Computer Science from Sathyabama University in the year 2014.

Technical summary:

- SCM Tool   **:** SVN and GIT.
- Build Tool   **:** Maven and Gradle, Msbuild
- Continuous Integration Tool   **:** Jenkins, Azure DevOps pipeline
- Continuous Monitoring Tool   : ELK, Cloudwatch, Prometheus, Grafana
- Infrastructure as Code.   : Cloud Formation and Terraform
- Containerization Tool   : Docker, Kubernetes,
- Code Quality Tools   : SonarQube, Checkstyle, Checkmarx
- Configuration Management   :   Chef,Ansible.
- Cloud platform.   : AWS, Azure
- Database   : MySQL,MongoDB, DynamoDB
- Scripting   **:** Shell scripting, Groovy Scripting

Professional Experience :

➢ **Tata Consultancy Services**	**December 2021 – Till Date**

Project Name: Application Automation Prudential Financial Services

Position   : DevOps Consultant.

Environment   **:** Ansible, Bitbucket, Azure DevOps, Maven, Docker, Helm, AWS Services.

Description:

Implementing Deployment automation using Azure pipeline and Azure Infra setup for automation build and deployment.

Roles & Responsibilities:
- Developed Terraform templates in Azure for server provisioning and setting up the services
- Developed end to end DevsecOps pipeline and scans using Aquasec tool in Azure pipeline
- Developed CI-CD pipeline for java application to build and Deployment using Azure DevOps pipeline

- Developed ansible script to deploy applications automatically in QA, Staging and Production environments.
- Created containers using docker file and developed docker images for various applications.
- Deployed docker containers in QA, Staging and Production environments using AKS in Azure.
- Developed ansible playbooks for deploying artifacts in AWS EC2 instances automatically.
- Worked on Azure for infra setup for deployment also experience in Azure Appservice deployment for application hosting and APIM.
- Worked on deploying container applications in AWS environment using AWS EKS service.
- Worked for DB automation using Flyway for deployment and release
- Developed Jenkins pipeline script to automate the process integrating with Jenkins and ansible.
- Deploying multiple pods by creating containers in Openshift clusters using Helm charts.
- Managing AMI/Snapshots, Upgrade/dpwngrade AWS resources (CPU,Memory,EBS).

➢ **PWC India**   **July 2020 – November 2021**

Project Name: Infrabuild and CI-CD HP Global .

Position   : Sr.DevOps Engineer.

Environment   **:** Ansible, Bitbucket, LinuxRedhat, Jenkins,Maven, AWS,Docker, Openshift, Helm.

Description:

Implementing Deployment automation using Ansible Playbook and Jenkins pipeline setup for automation build and deployment in AWS

Roles & Responsibilities:

- Developed AWS CloudFormation templates for server provisioning and setting up the services
- Developed end to end DevsecOps pipeline and scans using Aquasec tool in CI-CD pipeline
- Developed ansible script to deploy applications automatically in QA, Staging and Production environments.
- Created containers using docker file and developed docker images for various applications.
- Developed CI-CD pipeline for.net based application using Msbuild and performed sonar scanning.
- Developed ansible playbooks for deploying artifacts in AWS EC2 instances automatically.
- Configured Jenkins jobs for automated build and deployment in QA,Staging and Production.
- Deploying multiple pods by creating containers in Openshiftclusters using Helm charts.
- Setting up the environment in AWS cloud creating EC2 instances and load balancing and autoscaling.

➢ **Wipro LTD**   **June 2019 – July 2020**

Project Name: Symantec Platform Support

Position   : DevOps Engineer.

Environment   **:** AWS Instances,Puppet,Git,Vault, MongoDB, Python, Uwsgi Server, Jenkins,Docker.

Description:

Implementing platform setup for integrating puppet server less architecture for installing the modules based on user input and maintaining the data in MongoDB. Worked on docker image creation for

various application. Developed shell script to automate the instance creation and application installation tasks.

Roles & Responsibilities:

- Understanding the IDP platform end to end and setting the Dev Environment.
- Developed script to install chef agent and installing various application modules based on user input.
- Developed Jenkins pipeline scripts to build application artifacts and store in Nexus.
- Developed docker images and deployed containers using kubernetes clusters.
- Implemented CI-CD pipeline for build and deployment in QA, Staging and Production.
- Developed Ansible playbook to provision AWS EC2 instances and deploy application
- Created docker images for applications for installing in dynamic AWS instances based on selection.
- Developed end to end DevsecOps pipeline and scans using Aquasec tool.

➤ **Cognizant**   **March 2018 – June 2019**

Project Name: Dun & Bradstreet Financial services

Position   : DevOps Engineer.

Environment   : GIT, Maven, Apache Tomcat, Jenkins, Sonarqube, AWS, Chef, Artifactory, LinuxRedhat, Shell Script, ELK, Jira.

Roles & Responsibilities:

- Integrating source control system with Jenkins to pull the repositories list after code change and create build jobs automatically through seed job.
- Performing build automation using Maven to generate the deployable artifacts.
- Worked on artifactory tool to manage the repository in Maven and used the same to share the snapshots and releases of projects.
- Automating infra-provisioning in AWS using Chef. Creating instances with knife on the fly to create environment with pre-requisites installed.
- Worked for developing docker images and deployed by creating cluster environment.
- Worked on Blue-Green deployment of the application for maintaining application down time.
- Set up and configured ELK Stack in Servers. Worked on filtering log data using logstash.

➤ **Hexware Technologies**   **November 2014 – March 2018**

Project Name: Conduent Infra and Xerox

Position   : DevOps Engineer.

Environment   : GIT, Maven, Apache Tomcat, Jenkins, Sonarqube, Docker, AWS ECS, Chef, Artifactory, Shell   Script.

Roles and Responsibilities:

- Understanding the requirement for continuous deployment automation using container services.
- Responsible for working with Continuous Integration platform.
- Administration of AWS console for ECS service. Creating clusters, task definitions and services.

- Integrate Docker with Jenkins, package and deploy the application using docker.
- Created, modified and customized Docker files, Docker images for running java applications.
- Worked with Docker Engine, Docker hub, Docker Registry and Dockers Trusted Registry.

#3-Project Name: Liberty Insurance DevOps M&C

Position   : DevOps Engineer.

Environment   : Windows, SVN, Gradle, Websphere, Jenkins, RAD, Jira.

Roles and Responsibilities:

- Restructure the SVN repository and group the applications in consistent manner. Creating branches, tags and Managing Repository.
- Automating the end to end build process for java projects using gradle scripts to generate artifacts.
- Develop Pipeline view to streamline the workflow in Jenkins.
- Integrated Jenkins with XLDeploy and Websphere for deploying the generated artifacts in webserver.
- Maintaining the storage and retrieval of build artifacts on artifactory using JFrog artifactory.

Declaration:

I hereby declare that the above mentioned information is correct up to my knowledge and belief.

Place: Bangalore.   (Anal Deb)