

Vamsi Narravula

DevOps and Cloud Engineer

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SUMMARY

- Around **3.4+** years of experience in IT Infrastructure in **DevOps** technologies Git, Maven, Jenkins, Ansible, SonarQube, Docker, Kubernetes and AWS Cloud.
- Experience in provisioning **Linux servers** in cloud environments and setting security groups.
- Experience in creating Users, Packages, File Permissions, Services, Network, Troubleshooting Log files and Process Administration in Linux Servers.
- Experienced in Branching, Merging, Tagging, and maintaining the version across the environments using **SCM** tool **GIT** on Linux Platforms.
- Managed code repository in **GitHub**, improved practices of branching and code merge to custom needs of development team.
- Expertise in using **Maven** build tools for the building of deployable artifacts such as JAR, WAR & EAR from source code.
- Extensively worked on **Jenkins** by installing, configuring and maintaining for the purpose of **Continuous Integration (CI)** and for End-to-End automation for all build and deployments.
- Experience in Implementing **Continuous Delivery pipelines**.
- Experience working with Docker and managing containers and their lifecycle.
- Experience in **Configuration Management using Ansible** and creating **playbooks**.
- Hands-on experience on Cloud services like **AWS (ELB, EC2, EBS, AMI, SNS, Route53, S3, RDS, Cloud Watch, IAM, Security Groups, RDS and VPC and Auto scaling)**.
- Good working knowledge **AWS IAM Service**: IAM Policies, Roles, Users, Groups, AWS Access Keys and Multi Factor Authentication
- Built **S3** buckets and managed policies for **S3** buckets and used **S3** bucket and Glacier for storage and backup on AWS.
- Hands on experience on **Static web hosting, Versioning**.
- Advising suitable **EBS volumes** depending on Application / Database for cost effective.
- Estimating AWS usage costs and identifying operational cost control mechanisms.
- Having experience in monitoring tools **Nagios & Cloud Watch**.
- Collaborate with Infrastructure, Development and Production support teams.

TECHNICAL SKILLS

Operating Systems	Linux, Ubuntu & Windows
Version Control Tools	GIT, AWS Code Commit
Build Tools	Maven
CI/CD	Jenkins, Code Build, Code Pipeline
Containerization Tool	Docker, Kubernetes
Configuration Management	Ansible
Scripting Language	Shell Scripting, Python
Monitoring Tool	Nagios, Cloud Watch
Source Code Analysis Tool	SonarQube
Tracking Tools	JIRA
Cloud Services	AWS, GCP, AZURE
IaC	Terraform, CloudFormation

EDUCATIONAL QUALIFICATION

Bachelor of Computer Applications (BCA) (2017-2020) from Vikrama Simhapuri University (VSU), Nellore, AndhraPradesh.

EXPERIENCE SUMMARY

COGNIZANT TECHNOLOGY

August 2023 – Till Now

DevOps Engineer:

Project Title	: UCAS (Universities and Colleges Admissions Service)
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Responsibilities:

- Generate the terraform for ECS Cluster using Auto. It contains the global variables, VPN, ALB, Autoscaling, S3.
- Hands on experience in daily activities like Container Disk Management issues
- Involved in resolving incident tickets, change request through Remedy Tool in DEV, UAT, PRE-PROD and PROD environment.
- Analyze logs for specific error and specific time period.
- Perform smoke/sanity tests for the applications deployed and also troubleshoot the application for the issues that arise as part of the smoke test process.
- Administration of GitHub includes creating branches, tagging, access permissions.
- Experience in Creating branches and tags to separate build system after a milestone releases.
- Uploading the artifacts in Nexus Repository.
- To Automated the Builds, we configured GitHub Webhook in Jenkins.

- Taking the Jenkins backup using Thin Backup Plugin.
- Setup the Jenkins Master-Slave architecture to manage distributed builds.
- Configured and maintained Jenkins to implement the CI process.

Environment: Linux, Git, Maven, Jenkins, SonarQube, Docker, Kubernetes, AWS-EC2, S3, IAM, VPC, Cloud Watch, Terraform.

COGNIZANT TECHNOLOGY

May 2022 – July 2023

DevOps Engineer:

Project Title	IAG (International Airlines Group)
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Responsibilities:

- Focused on automation for Continuous integration and Continuous deployment using Jenkins file.
- Hands on experience in master and slave creation in Jenkins.
- Involved in Create/Enhance/automate build and deployment processes for each release and backup, restore and upgrade.
- Hands on experience on remote tools SSH and SCP.
- Setup and maintain cloud-based infrastructure (AWS)
- Used Kubernetes to deploy scale, load balance, scale and manage Docker containers with multiple namespace versions
- Experience in using Docker and setting AWS Container Registry with Docker and Docker
- Working on source control tools like GitHub, defined branching and merging strategies.
- Maintaining the versions of artifacts in Nexus repository.
- Configured the EBS and S3 Bucket for Backup and also created the IAM Roles.

Environment: GitHub, Maven, SonarQube, Nexus, Shell Script, Route53, AWS.

DevOps Engineer:

Project Title	: Caterpillar
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Responsibilities:

- Generate Involved in team of cloud engineers and handled end user requests to provision the AWS cloud services.
- Identifying and using appropriate cloud services to support applications on the cloud.
- Designed roles and groups for users and resources using AWS IAM and managed network security using Security Groups.
- Created EC2 instance on different platforms as per the client requirement.
- Managing AMI/Snapshots/Volumes.
- Created S3 buckets and managed policies and utilized S3 bucket for storage and backup on AWS.
- Created public and private subnets in the VPC and attached them to EC2 instances based on the requirement.
- Setup databases on Amazon RDS instances as per requirement.
- Involved in the CPU utilization and health checkup task by Amazon Cloud Watch.
- Worked on creating VPC in different zone to connect from one region to another region.
- Used GitHub as version control to store source code and implemented Git for branching and merging operations.
- Configured Elastic Load Balancers with EC2 Auto scaling groups.
- Worked on GitHub integration with Jenkin plugins by using webhooks.
- Integrated VPC peering and Transit Gateway for multi VPC environments.
- Knowledge on various DevOps tools such as Jenkins, Ansible, Docker, GitHub, Kubernetes, Maven, and SonarQube to manage and comprehend the cloud environment.
- Initiated ETL processes using AWS Glue, automating data extraction, transformation, and loading for seamless integration with AWS Redshift.
- Maintaining the usage of cloud services and implementing cost-saving strategies.
- Collaborated with other teams to ensure successful implementation of cloud-based solutions.

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