MITHUN T S

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PROFESSIONAL SUMMARY:

- Software Professional with 3+ years of experience in DevOps Tools & Cloud AWS (Amazon Web Services)
- Hands-on Experience in using Version Control Tools **GIT**.
- Having sound knowledge in **Jenkins, Docker, Ansible, Kubernetes, Terraform**.
- Worked with Engineers, QA, and other teams to ensure automated test efforts are tightly integrated with the build system and in fixing the error while doing the deployment and building.
- Utilized Jenkins, Nexus, Git/GitHub/SVN in day-to-day activities.
- Have good Experience on writing shell scripting.
- Having hands on experience in **Basic Linux commands**.
- Integrating Jenkins with **Git** and **Maven**, setting up pipeline jobs, experience in using multiple plugins
- Integrating **Kubernetes** and **Docker** with **Jenkins** and achieved CI/CD pipeline
- Setting up **Kubernetes cluster** with **Kubeadm** and **KOPS** structures and have done deployment
- Having experience in creating **Docker containers, Docker volumes**, and **Docker images,** and Creating customized Docker images and uploading them to **DockerHub**
- Setting up and working with **Ansible**, very good experience in writing **playbooks**, **Ad-Hoc commands** and **Modules.**
- Having hands on experience in YAML.
- Closely worked with Developers and Analysts to address project requirements. Able to effectively manage time and prioritize multiple projects.
- **Experienced** in trouble shooting the problems generated while building, deploying and in production.
- Worked on **EC2** (Elastic Compute Cloud), Launch an EC2 Instance, use of Putty (for Windows Users), **S**ecurity **G**roups, Upgrading **EBS** Volume Types, Encrypt Root Device Volume and Create an **AMI**, Load Balancers and Health Checks, Cloud Watch EC2, **Auto Scaling Groups**, AWS Command Line and EC2, Using **IAM Roles** with EC2.
- Having hands on experience on **VPC**, Public subnets & private subnets, Introduction to **Gateways**, Understanding **Route tables** & **Subnets**, Build Your Own Custom VPC, Network Address Translation (**NAT**), Access Control Lists (**ACLs**), Custom VPCs and ELBs, VPC **Flow Logs**, NATs vs Bastions and VPC End Points.
- Worked on **SNS**, Create a Billing Alarm, Consolidated Billing, AWS Organizations Lab, Resource Groups & Tagging, **VPC Peering**, **Elastic Beanstalk**, **CloudFormation**, AWS Trusted Advisor, Elasticity and Scalability concepts.
- Have good knowledge of **Terraform** for AWS (**IaS**)
- Worked on AWS Cloud platform and its features which includes **EC2, Elastic Load Balancers (ALB, NLB), Auto Scaling and Target Groups, Storage Mechanisms (EFS, EBS, and S3), AMI, Route 53, IAM, Cloud Front, EKS, ECR, Cloud Watch and SNS.**

PROFESSIONAL EXPERIENCE:

- Working as DevOps Engineer in Tech Mahindra Ltd.., from Jan 2019 to till now.

ACADEMIC SUMMRY:

- Bachelor of Business Management from University of Mysore

TECHNICAL SKILLS:

➢	Cloud Environments	:	AWS(EC2, S3, EFS, EBS, ECR, EKS, CloudWatch, IAM, AMI, VPC, SNS, Route53, ELB,
➢	Version Control Tools	:	GIT, GitHub and Gitlab
➢	Containerization Tool	:	Docker, Docker Container Docker Volume, Docker Images
➢	Configuration Management Tool	:	Ansible
➢	Orchestration Tool	:	Kubernetes, Kubedm, Kops, Kubectl and Cluster
➢	Continuous Integration Tool	:	Jenkins
➢	Web Server	:	Apache Tomcat
➢	Infrastructure as Code	:	Terraform, CloudFormation
➢	Monitoring Tools	:	Prometheus and Grafana
➢	Build Tool	:	Maven
➢	Code Quality Assurance Tool	:	SonarQube
➢	Artifactory repository	:	Jfrog
➢	Package Manage	:	Helm

CAREER PROFILE: (starting from the most recently executed):

Project-2

      Project Title   : United HealthCare
      Role   : DevOps-AWS Engineer

Description: United Healthcare enables clinicians to make faster, more informed decisions through intelligent devices, data analytics, applications, and services, supported by its Edison intelligence platform.

Roles & Responsibilities:
→ Understand client requirements, propose solutions and ensure delivery.
→ Experience in Implementing AWS Infrastructure services (IAAS) like EC2, VPC, ELB, EBS, S3, ECR, ELB.
→ Experience of designing and developing comprehensive Cloud Computing solutions on the AWS platform.
→   Setting up new server (EC2) instances/services in AWS, configuring security groups, and setting up Elastic IPs.
→   Monitoring health of Amazon EC2 instances and other AWS services.
→ Created Branches, Labels and performed Merges in Stash and GITHUB
→ Integrated Maven with Jenkins for the builds as the Continuous Integration process.
→ Used GitLab as Source code management platform
→ Created a pipeline for CI and Component Testing Of components like Monitoring, Logging, etc. On both Cloud and On-premises K8's Clusters.
→ Integrating Jenkins with Git, Gradle, SonarQube, and setting up pipeline jobs, and also experience in using multiple plugins.
→ Integrating Kubernetes and Docker with Jenkins and achieved CI/CD pipeline.
→ Having good experience in creating Docker containers, Docker volumes, Docker images
→ Creating customized Docker images and uploading in HUB.
→ Integrated Jenkins with EKS cluster for automated deployment of Helm charts

Environment: AWS, Git, Jenkins, Maven, Gradle, SonaQube, Docker, Jfrog, Helm

Project Title   **: Applied Materials (PDPART Application)**
Role   **:** DevOps-AWS Engineer

Description: On a Java web-based platform, the PDPART application was architected and built. The application has been designed in all contexts in order to achieve the goal of easy maintainability of employee access requests, manager approvals, and Applications Admin.

Roles & Responsibilities:
→ Setup and manage DevOps CI/CD flow.
→ Configured Jenkins CI tool for project and setup builds whenever source code changes.
→ Automated the code deployment process in each environment (development, QA).
→ Configured a continuous integration process and interface with the operations team to ensure project artifacts are deployed automatically to various environments using Jenkins.
→ Installing, configuring and administering Jenkins Continuous Integration tool on Linux machines along with adding/updating plugins such as SVN, GIT, Maven

→ Setup the Jenkins jobs for Continuous integration process and to execute test cases.
→ Experience deploying and maintaining multi-container applications through Docker.
→ Experience working on several Docker components like Docker Engine, Hub, machine, compose and Docker registry.
→ Installation, Configuration and Administration of Jenkins over LINUX build machines in distributed mode over Nginx and configured jobs along with various plug-in for Continuous Integration.
→ Participates in meeting and release the builds to development and QA servers.
→ Responsible for the deployment on Linux for Dev/ QA environment using Nginx.
→ Creating Ansible playbooks as per the requirement and also good into Ad-Hoc commands.

Environment: AWS, Git, Jenkins, Maven, Ansible, Nginx, Linux