

R.GOKUL

DEVOPS&AWS ENGINEER

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OBJECTIVE

Aspiring to work in a challenging environment demanding all my skills and efforts to explore and adapt myself and realize my potential and contribute to the development of organization with impressive performance in the field of **DevOps** across IT Sector

EXPERIENCE SUMMERY

- Overall 2 Years of IT experience in **DevOps, Build-Release** and **AWS cloud**.
- Having a good knowledge of **AWS, Terraform, GIT, Docker, Jenkins, Maven, Kubernetes**.
- Expertise level knowledge of Amazon EC2, Amazon S3, Route 53, Amazon RDS, Amazon Elastic Load Balancing, Auto Scaling, Cloud Watch, Python and Terraform.
- Backup the **EC2** instances and volumes by creating snapshots and saving them in S3 buckets for Disaster Recovery.
- Handling multiple requests in **IAM** like creating users, groups, and roles.
- Creating/Modifying Policies according to user's access requirement
- S3 – Working with **S3** to create the buckets to store objects
- Taking instance backups as Amazon Machine Image (**AMI**) and launching these when we need similar servers.
- Maintaining and upgrading the **EC2** instances according to the requirements.
- **ELB** – Creating Load Balance for EC2 instances within VPC, Adding Instances to make online service highly available.
- Experienced in using Jenkins as continuous integration tool to creating new jobs, managing required plugins, configuring the jobs selecting required source code management tool, build trigger, build system, and post build actions, scheduled automatic builds, notifying the build report.
- Implemented Ansible for setting up new environments and installation of required softwares and tools.
- Installed and configured Jenkins using Ansible playbooks and Roles.
- Configured servers remotely using ansible playbooks to install packages, start services, copy files etc.
- Experience in ansible, automated deployment process by writing ansible playbooks Using different modules, loops, facts, vars, ad-hoc commands, vault
- Configured servers remotely using ansible playbooks to install packages, start services, copy files etc.
- Extensively used Docker/Kubernetes for containerization, virtualization, Ship, Run and Deploy the application securely to fasten Build/Release Engineering.
- Well versed in writing Dockerfiles for creating Docker Images of applications, New layers on base images.
- Experienced working on several Docker components like Docker Engine, Hub, Machine, creating Docker images, Compose, Docker Registry and handling multiple images primarily for installations and domain configurations.
- Experience on orchestration tool Kubernetes to provide a platform for automating deployment, scaling and operations of application containers across clusters of hosts.
- Handy in using kubectl commands.

- Good Knowledge on **AWS Lambda, Boto3, SQS, EFS** and **Kubernets**

SKILLS & ABILITIES

Operating Systems	Linux, Windows, Red Hat Linux, Unix, Centos, Ubuntu.
Cloud services (AWS)	EC2, EBS, ELB, VPC, Subnets, Route tables, IAM, S3, SNS, Cloud Watch, Route53
DevOps	Git, Maven, Nexus, Jenkins, Docker, Ansible, Kubernetes & Terraform
Code Quality Tool	SonarQube
Webservers	Apache, Nginx, Tomcat
Scripting Languages	Shell script, Groovy & Python
Monitoring Tools	Cloud Watch, Nagios
Infrastructure Management	Ansible, Terraform, Cloud formation
Containerization Tool	Docker, Kubernetes.
Ticketing Tool	JIRA.

EXPERIENCE

Dates	From JUNE 2020 to Till now
From-To	Devops engg Working with ZOPPER SOLUTIONS PVT LTD

EDUCATION

Dates	
From-To	□ B.com from S.V University in 2017 to 2020 (APRIL)

PROJECT #1:

Project Name : EURES (European Commissioners Employment Services)

Environment : Linux, GIT, MAVEN, Jenkins, Nexus, Tomcat

Role : DevOps / Build and Release Engineer

Project Duration : AUG 2020 - till date

Description :

- The EURES Portal is a live employment related portal of the European Commission. The phase-I project is currently on, this phase of the project involves the takeover of the project from the previous contractor.
- This project is divided into 3 important sub projects of a) The Eures Portal b) The Job Search Engine and c) LPES (Local Public Employment Services) applications. The Job Search Engine and the LPES applications integrate into the main portal to provide a real time job search engine that dynamically fetches the jobs advertised with the respective regional LPES spread across the various member states of the European Commission.
- The scope of the portal also involves providing employment related content for the benefit of all member states in the 25 different languages. The dynamic fetching of the job vacancy advertised remotely is done using web service-based architecture. The scope of work also involved new enhancements to the portal.

RESPONSIBILITIES:

- Automated **CI/CD** process using Jenkins, GIT
- Automate the build process using **Jenkins** jobs. Monitoring daily builds using CI tool Jenkins. Verifying logs if build fails
- Implemented & maintained the branching and build / release strategies utilizing **GIT**.
- Used Maven as a build tools on java projects for the development of build artifacts on the source code.
- Managed Version Control Subversion (**GIT**) and Automated current build process with Jenkins with proposed Branching strategies to accommodate code in various testing cycles.
- Configured local **Maven** repositories and multi-component projects with **Nexus repositories** and scheduled projects in Jenkins for continuous integration.
- Establishing standards for build artifact management and build configuration.
- Coordination of code merges and deployments with **DEV and QA** teams. Collaboration with Development, QA and other teams to ensure a smooth transition of deliverables through proper release channels.
- Automated deployment of build artifacts from Jenkins into pipeline environments.
- Each Java application is automatically built, packaged and tested with **GIT** web hooks and then deployed to the various environments.

- Coordinating with the development and test automation team in maintenance of source code and training them with CI System.
- Creating package job in **JENKINS** and building it on Server.
- Documented release, builds and source control processes and plans for applications.
- Support in developing and operating engineering designs & transformation techniques.
- Provide direct server support during deployment and general production operations.
- Worked with developers to ensure new environments both met their requirements and conformed to industry-standard best practices.
- Extensively worked on **Jenkins** for continuous integration and for End to End automation for all build and deployments.

Declaration:

I R.GOKUL hereby declare that the information furnished above is authentic and true to the best of my knowledge and belief.

(R.GOKUL)