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Objectives

Overall 7 years experience with 3 years of cloud computing. Skilled DevOps engineer with knowledge in cloud services as well as docker and kubernetes. Capable of setting up and managing multiple servers. Wrote scripts to automate system updates.

PROFESSIONAL SUMMARY

- ❖ Acquired 3 years of IT experience as a **DevOps Engineer** in the field of DevOps Automation/Linux System administrator/Application security monitoring.

- ❖ Experienced in both **AWS and GCP**, **creating, managing, and configuring services** such as ALB, ASG, EC2, IAM, S3, EBS, EKS, Route53, RDS, Security Groups, and VPC, while also automating cloud deployments.

- ❖ Designed and maintained continuous integration and deployment (CI/CD) pipelines using **AWS CodeDeploy and CodePipeline** for **automating application deployment** processes, leading to a 30% reduction in deployment time and increased efficiency in application releases.

- ❖ Developed and optimized **Helm charts for Kubernetes** to automate the deployment and management of microservices, ensuring scalable, reliable, and consistent application deployments across multiple environments.

- ❖ Hands on experience in automating **CI & CD** pipeline using **Jenkins** tools.

- ❖ Expertise in creating & maintaining the infrastructure for different Environments.

- ❖ Proficiency with Configuration Management tools & Build management tools such as **Ansible, Maven, Git, shell script, Jenkins.**

- ❖ Experience on Automating the Build and deploy of all internal Java.

- ❖ Working expertise on all aspects of Ansible Concepts like writing scripts, establishing SSH connectivity and automating the complete software installation stages for various projects.

- ❖ Worked on installing/upgrading **Jenkins Master/Slave** on multiple servers and also involved in the release process and deployed applications (WAR and JAR) and UI binaries to the **Apache Tomcat server.**

- ❖ Configured Apache web server with Apache Tomcat through **middleware packages** installed the SSI files.

- ❖ Responsible for **Dockerizing** applications.

- ❖ Hands On experience in creating **Dockerfiles** and then building image and deploying it to various environments

- ❖ Created the manifests for **kubernetes** deployments for some mission critical applications

- ❖ **Docker installation** was taken care in various linux servers to support the Docker Swarm

- ❖ Good knowledge using the Jfrog repository. Have hands-on experience in monitoring tools like **New relic and ELK.**

- ❖ Integrated **Grafana** with Mysql database to show the report to the development and testing teams.

TOOLS AND EXPERTISE:

Version control system tool	GIT
Operating System	Linux, Windows
Configuration Management	Ansible
Scripting	Shell Scripting, Python Scripting
Build Tools	Maven
Database	MySQL
Web Server	Apache httpd
Application Server	Apache Tomcat
Application Monitoring tools	New Relic, Grafana, ELK.
Continuous Integration Tool	Jenkins
Cloud Environment	AWS(EC2, IAM, ASG, ALB, ROUTE53, RDS, S3 EBS, VPC, etc.)
Container and orchestration tool	Docker, Kubernetes
Application security and SCA	Fortify and SonarQube
Artifactory storage	Jfrog
Programming Language	Python

PROJECT DETAILS

Project #1:

Project	Dolby Laboratories, Inc.
Role	**DevOps Engineer**
Duration	April 2024 to till date
Environment	GitLab, Firebase TestLab, Firebase Crashlytics, JFrog Artifactory, Docker, Bash Script, Python Script. Mobile Apps (iOS and Android).

Roles and Responsibilities:

❖ Installed and registered **GitLab** Runner on servers to facilitate CI/CD operations.

❖ Eliminated duplicate pipelines and saved time by editing GitLab YAML files for optimization.

❖ Edited Fastlane for streamlined deployment processes.

❖ Changed the artifact tool from xcpretty to xchtml report for improved reporting.

❖ Integrated GitLab with MS Teams using **webhooks** to streamline communication and notifications.

❖ Wrote bash scripts to automate the process of sending report links to MS Teams channels for better visibility.

❖ Documented all configurations, processes, and workflows in **Confluence** to maintain clear and accessible records for the team.

❖ Worked with Firebase TestLab and Crashlytics for monitoring services to conduct application testing and manage crash reporting, ensuring high-quality releases.

- ❖ Operated within an **Agile** framework, utilizing **Jira** as a ticketing tool, to support iterative development, timely feedback, and continuous improvement in the development process.

- ❖ Utilized JFrog Artifactory for efficient artifact management, ensuring that build artifacts are stored and retrieved reliably.

- ❖ Managed application deployments and updates through TestFlight and the Apple App Store, facilitating smooth releases to end users.

- ❖ Worked with Gradle commands to manage Android builds and deployments to the Google Play Store.

Project #2:

Project	Loblaws Inc.
Role	**Build and Release Engineer / Support**
Duration	December 2022 to till date
Environment	GIT, Jenkins, Shell script, Ansible, Fortify, Tomcat, Java, SonarQube, Jfrog, AWS.

Roles and Responsibilities:

- ❖ Key member in DevSecOps Team and supporting more than 100+ application teams across multiple domains.

- ❖ Primary responsibility is to onboard and set up the CICD pipeline for multiple frontend and backend applications.

- ❖ Connecting with the application team to understand the application and process used by them for build and deployment which includes overall review on application automation feasibility.

- ❖ Setting up Build agent using AWS cloud formation template and using EBS service to optimize build performance and enable scalable infrastructure for faster and more reliable builds.

- ❖ Setting up the CICD pipeline is Gitlab for smaller applications and creating project repositories for the application team.

- ❖ Automation of new branch creation, Merge approval and approvers setup, merge request creation and version increment in build scripts at start of every program increment.

- ❖ Setting up Build tools and supporting application team in maintaining & configuring pom.xml(maven for Backend) and package.json (npm for frontend).

- ❖ Configuring sonarqube dashboard and help application team in publishing unit test and coverage reports in sonarqube cloud for static code analysis. Setting up sonarqube portfolio for multiple microservice and UI applications.

- ❖ Linux servers log backup scripts were written along with scripts to monitor the deployed versions.

- ❖ Setting up Ansible playbooks to perform deployment in servers and shell scripts to monitor the services.

- ❖ Working with QA team for integration of QA jobs with Jenkins pipeline to have complete CICD setup.

- ❖ Using Sonarqube and Jenkins REST API to implement various customized automations to reduce manual efforts.

Project #3:

Project	ICT HEALTH care (USA)
Role	**Devops Support / AWS Engineer**
Duration	Feb 2020 to Feb 2021
Environment	AWS, EC2, IAM, VPC, Auto Scaling, ALB, ROUTE53, AMI, RDS, S3, Maven, GIT, Jenkins, Tomcat, Linux, Ansible, Docker.

Roles and Responsibilities:

- ❖ Preparing the Environment and provisioning the environments as per the requested application team.

- ❖ Initiating Jenkins builds and Deployments for the application as per the release scheduled.

- ❖ Created the Jenkins jobs for launching the AWS resources via Ansible and have written the CFT templates to create the resources.

- ❖ Maintained the security groups and IAM role access so that our AWS servers can talk to servers present in other Networks/Domains.

- ❖ Worked on problems arising from Build and environment provision issues.

- ❖ Expertise in writing Ansible playbooks and creating various playbooks to do the auto install of many software's in the EC2 servers like Maven, Gitlab, Java, node, etc.

- ❖ Mapping of Certs to Route53 then aliasing it to auto scaling group and then routing to load balancer was key function. I have completed Mysql Database creation in RDS with continuous creation of snapshots.

- ❖ Created the Dockerfiles along with the docker compose files for few applications Jfrog Artifactory, was used to push the created images with tags and then deployed into the docker swarm cluster.

- ❖ Applications with high maturity level having the kubernetes clusters were given the manifest files based on their requirement.

- ❖ Kubernetes cluster management was taken care of along with maintaining the POD.

Project #4:

Project	Balboa Insurance company (USA)
Role	**Devops Support / Monitoring Engineer**
Duration	Feb 2018 to Jan 2020
Environment	AWS, EC2, Auto Scaling, IAM, ALB, Route 53, AMI, RDS, VPC, S3, Maven, Git, Jenkins, Tomcat, Linux, Ansible.

Roles and Responsibilities:

- ❖ I created new relic alerts, dashboards and metrics for Application performance monitoring using the new relic query language.

- ❖ Elastic search, Logstash and Kibana were installed in the AWS server and daily logs were scheduled to be sent from production server to the target server.

- ❖ The shell script was written to delete the old logs of more than a week to save the file system size.

- ❖ Sentry monitoring was introduced and I integrated for couple of dev modules so that logs can be sent to the sentry dashboard and then gave KT to dev team

- ❖ New relic APM and infra agents were installed and enabled in the AWS servers through the java option command

- ❖ Continuous monitoring of the servers was done through shell scripts and new relics.

- ❖ Shell scripts were written to check the health of the server such as CPU and Memory utilization and based on the threshold the email was sent to the team.

Project #5:

Project	Cambia Health
Role	**Devops Engineer / Support**
Duration	Sep 2014 to Oct 2015

Environment	AWS, Jenkins, Maven, Sonarqube, Archiva, Bitbucket.

Roles and Responsibilities:

- ❖ The Automation started with creating the environment in AWS with Cloud formation scripts and having the ec2 instance where we hosted Docker and inside the Docker container we had the Jenkins, Sonargube. Archiva getting hosted.

- ❖ The pipeline was configured for 17 interfaces of TMS and then integrated with the above tools and after the successful build of each interface the final stage was deploying it in AWS servers.

- ❖ The administrative part of Jenkins was taken care of and based on roles of users in the project the Username and passwords were created.

- ❖ The admin part of AWS was also taken care wherein the security groups of services and IAM roles were managed depending on the permission to be given to users

- ❖ Involved in creating and managing the infra in AWS (VPC, EC2, ECS, DynamoDB, IAM Roles) and hosted the tools like Docker, Jenkins etc.

- ❖ Involved in writing Docker files, creating containers, Images and pushing it to Docker hub.

PROFESSIONAL EXPERIENCE

- ❖ Working as DevOps Engineer in **G3Orbit Technologies Pvt Ltd., (Permanent Employee)** from April 2024 to July 2024 in **Chennai.**

- ❖ Working as Senior Customer Support Executive in **AppsComp Widgets Pvt Ltd., (Permanent Employee)** from Dec 2022 to March 2024 in **Coimbatore**.

- ❖ Worked as Senior Telephone Analyst (Level II) in **Information Evolution Pvt Ltd., (Permanent Employee)** from Feb 2018 to Feb 2021 in **Coimbatore**.

- ❖ Worked as Application Engineer(Level I) in **CSS Corp Pvt Ltd., (Permanent Employee)** from Sep 2014 to Oct 2015 in **Chennai**.

- ❖ Worked as Senior Customer Service Executive in **Velan Info service Pvt Ltd., (Permanent Employee)** from Feb 2012 to Sep 2014 in **Coimbatore**.

- ❖ Worked as Design Engineer in **ABB Ltd, (Permanent Employee)** from May 2007 to June 2008 in **Bangalore**.

EDUCATION

Sri Ramakrishna Engineering College | Anna University, Coimbatore
Bachelor of Information Technology   *Tamilnadu | Jun 2008 April 2011*

PSG Polytechnic college | DOTE, Coimbatore.
Diploma in Electrical & Electronics Engineering (sandwich)   *Tamilnadu | Jun 2003 April 2007*

St. Antony's Boys High School | Board of Examination Tamil Nadu, Coimbatore.
S.S.L.C.   *Tamilnadu | April 2003*

Declaration

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

Place: Coimbatore
Date: