Praveen Singampalli
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Objective:

To be associated with a progressive organization that gives scope to apply my Knowledge and skills, and to be a part of a team that dynamically works towards growth of the organization.

Professional summary:

- ❖ Acquired 5.2 years of IT experience as a **DevOps Engineer** in the field of DevOps Automation/AWS Cloud Migration/Linux System administrator/Application security and monitoring.
- ❖ Completed **certifications** such as Red Hat Linux system administrator with RHEL 8 and Red Hat Ansible automation
- ❖ I have received multiple **awards** in the field of automation, learning and development along with awards received for showing good leadership and innovative ideas in various Tech and Non-Tech events
- ❖ Experience in **AWS** to create, manage and configure the services like **ALB, ASG, EC2, IAM, S3, Redis, EBS, Route53, RDS, Security Groups and VPC** along with automating the **AWS** cloud deployments.
- ❖ 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**, **android** and **node** applications of Telecom domain to various environments.
- ❖ 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** and installed the SSI files.
- ❖ Responsible for **Dockerizing** applications.
- ❖ Handson 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
- ❖ Created the **network for docker** containers and configured it for new containers
- ❖ **Docker installation** was taken care in various linux servers to support the Docker Swarm
- ❖ Worked on ticketing tool like **Jira** and automated the various flows via shell scripts
- ❖ Good knowledge in checking the code quality and application security using the **Sonarqube, Black duck** and **Fortify** for both frontend and backend applications.
- ❖ Good knowledge using the **Jfrog** repository.
- ❖ Have hands-on experience in monitoring tools like **New relic** and **Sentry, ELK**

- ❖ Have hands-on experience in Gitlab runner pipeline
- ❖ Created Mysql database and created tables to insert the data from the Jenkins pipeline
- ❖ Integrated **Grafana** with **Mysql** database to show the report to the development and testing teams.
- ❖ **SRE** application onboarding was done along with proper checkin of SLI,SLOs and SLAs.

Technical Skills:

Version Control System tool	GIT
Operating Systems	Linux, Windows
Configuration Management	Ansible
Scripting	Shell Scripting, Groovy Scripting
Build Tools	Maven, Ant, Gradle
Database	MySQL
Web Server	Apache httpd
Application Server	Apache Tomcat
Application Monitoring tools	New Relic, Grafana, ELK, Sentry
Continuous Integration Tools	Jenkins
Cloud Environment	AWS(EC2, IAM , ASG, ALB, ROUTE53, RDS,S3, EBS, VPC,Elasticcache etc.)
Container and orchestration Tool	Docker , Kubernetes
Bug Tracking Tool	Jira
Application security and SCA	Blackduck, Fortify and SonarQube
Artifactory storage	Jfrog
Programming Language	Java Spring Boot

Professional Experience:

- ❖ Working as **Engineer II DevOps** in ********** (**Permanent Employee**) from ********** to till date in Hyderabad
- ❖ Worked as **Senior systems Engineer** in ********** (**Permanent Employee**) from ********** in Chennai

Project Summary:
Project#1

Project Name	**********
Client	**********
Role	**Build & Release Engineer**

Duration	August 2019 to till date
Environment	GIT, Jenkins,Fortify, Blackduck,Tomcat, Shell script, Ansible, AWS, SonarQube,Jfrog ,Jira, Java etc.

Roles and Responsibilities:
- ❖ Key member in DevSecOps Team and supporting more than 100+ application team across multiple domains
- ❖ Primary responsibility to onboard and setting up CICD pipeline for multiple frontend and backend applications in both Wireline & Wireless domain
- ❖ Connecting with 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 adjust volumes in instance as per requirements
- ❖ Installing supporting software in build agents for application development by configuring Ansible playbooks
- ❖ Setting up groovy scripts to accommodate multiple applications in a single Jenkins pipeline which carries various stages. Prebuild stage – Sonarqube, Fortify & Blackduck, Compiling code and packaging deployable artifacts and publishing them to Artifactory, performing deployment in servers along with respective QA testing
- ❖ Setting up CICD pipeline is Gitlab for smaller applications and creating project repository for 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
- ❖ Enhancement of pipeline by implementing multiple Quality gates in pipeline and automation of JIRA Issue number status update on successful completion of pipeline
- ❖ Automation of each and every application Coverage reports status in mail and creation of Release notes in Confluence page post successful non prod deploy & testing completion
- ❖ Using Gitlab, Sonarqube, Jira, Confluence and Jenkins REST API to implement various customized automations to reduce manual efforts

Project#2

Project Name	**********

Client	**********
Role	**DevOps/AWS Engineer**
Duration	January 2020 to till date
Environment	AWS, EC2, Auto scaling, IAM, ALB, ROUTE53,ALB, AMI, RDS, VPC, S3,Maven, GIT, Jenkins, Tomcat, Linux, ,Ansible, Aws, Linux, Git, Jenkins, Docker, Kubernetes

Roles and Responsibilities:

❖ Involved in the designing phase of AWS architecture with the high level architects.
❖ 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 created various playbooks to do the auto install of many software's in the EC2 servers like Maven, Gitlab, Java, node , etc.
❖ Involved in the security review for the servers and application for DAST scan and gave remedies to be set in HEADERS of the apache web server.
❖ Involved in AMI rehydration for all the AWS servers for this project.
❖ Digi Certs were requested from the team and imported to ACM and then the DNS mapping was done to all the servers
❖ 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 was done with continuous creation of snapshots
❖ Created the Dockerfiles alomg with the docker compose files for few applications
❖ Jfrog artifactory was used to pushed the vcreated 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 along with maintaining the POD
❖ Docker networking was done on the new networks created inside the VM with the subnet and the new POD's and Containers were mapped to the new network

Project#3

Project Name	**********
Client	**********
Role	**DevOps/Monitoring engineer**

Duration	January 2020 to till Date
Environment	AWS, EC2, Auto scaling, IAM, ALB, ROUTE53,ALB, AMI, RDS, VPC, S3,Maven, GIT, Jenkins, Tomcat, Linux, ,Ansible, Aws, Linux, Git, Jenkins

Roles and Responsibilities:

❖ I created new relic alerts, dashboards and metrics for Application performance monitoring using the new relic query language.
❖ SRE/SOE was introduced for making the applications more reliable
❖ SLA, SLI, SLOs were defined with the help of dev team and then configured in the SRE portal.
❖ Elastic search, Logstash and Kibana was 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 relic.
❖ Created MySQL database and integrated Grafana to show the statistical data onto the dashboard which reduced the manual efforts of both testing and dev team to search for kit release versions and Jira ids
❖ 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#4

Project Name	**********
Client	**Infosys (Toyota)**
Role	**DevOps Engineer**
Duration	May 2016 to June 2019
Environment	AWS, Jenkins, Maven, Sonarqube, Archiva, Bit bucket, Jira, Docker

Roles and Responsibilities:

❖ Worked as DevOps engineer in developing the infrastructure for Toyota Motor Sales which involved the automation of entire project which is based on data sharing between dealer and Toyota management system.
❖ The Automation started with creating the environment in AWS with Cloud formation scripts and having the ec2 instance where we hosted the Docker and inside the Docker container we had the Jenkins, Sonarqube, 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 and based on roles of users in project the Username and passwords were created.
- The admin part of AWS was also taken care wherein the security groups of services and I AM roles were managed depending on the permission to be given to users.
- Involved in creating and managing the infra in AWS (VPC, EC2, ECS, Dynamo DB, IAM Roles) and hosted the tools like Docker, Jenkins etc.
- Involved in writing Docker files, creating containers, Images and pushing to it to Docker hub.
- Involved in creating and managing the CICD pipeline for 17 interfaces. Involved in daily stand-up meetings as a part of Agile Methodology.

Education Qualification:

- **MBA** in Information Technology from Narsee Monjee Institute of Management Studies (Now Attending and Date Acquired on June 2022).
- **Bachelor of Engineering** in Electrical and Electronics from Andhra University passed out in May 2016.
- Intermediate in MPC from Narayana Junior college passed out in May 2012
- Tenth completed from Kendriya Vidyalaya Naval Armed Depot school in 2010

Trainings and Certification:

- Red Hat Certified Linux System Administrator(**RHCSA**) by RED HAT on July 2021 with certification-id 210-069-662
- Red Hat Certified Ansible Administrator(**RHCA**) issued by RED HAT on November 2019 with certification id - 190-270-330
- Attended Safe Agile PI planning course and received the certificate

Honors and Awards:

Award Name	Date Issued	Issued by	Comments
Spotlight Cash Award	**********	**********	**********
Recognition Award	**********	**********	**********
Simple Thanks Award	**********	**********	**********
Simple Thanks Award	**********	**********	**********
Simple Thanks Award	**********	**********	**********

Personal Skills:

- Have **willingness to learn new things** and I am a self-motivated person.
- Have Good interpersonal skills and **good communication skills**.

- ❖ I am easily adaptable to new environments and I have commitment to team work.
- ❖ Have **good leadership qualities** and like to lead my juniors to the success path
- ❖ Have **good presentation skills** and have given many demos on various tools and automation work to higher level management.
- ❖ Have excellent problem solving, time management skills, **ability to work independently** or as part of a team.

Hobbies & Interest:

- ❖ I like to **play badminton** and have participated in Intra DC tournament in Infosys
- ❖ I like to **organize events with innovative ideas** which I did in Verizon every month in the pandemic from March 2020 to December 2020 to bring the WFH culture a happy one and received the laurels from the Associate Director level.
- ❖ I like to **host the event** which I did in Verizon in Fresh Face DC event in February 2020 which comprised of Talent and fashion show.
- ❖ I like to **take a lead** and implement the solution to bring the value to the work environment

Personal Profile:

Father Name	:	S Suryanarayana
Date of Birth	:	**********
Pan card No	:	**********
Nationality	:	Indian
Languages Known	:	English, Hindi, and Telugu
Address	:	**********

Declaration:

I hereby assure that the above information is true to my knowledge and I will prove to be worthy of your confidence and satisfaction.

Place: Hyderabad   Signature
Date: **********   Praveen