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Organizational Experience:

- Working as a **DevOps Engineer with 4+ years of experience** in **SAVINA SOFTWARE PVT LTD** from October 2019 to till date.

Professional Summary

- Managed the SDLC and experience with CI/CD tool – **Jenkins**.
- Hands on experience on build tool as **Maven** for compiling, testing and packaging the artifacts into **S3**, **Nexus**.
- Highly skilled on **AWS** services like **EC2, S3, ELB, Launch Template, Auto Scaling**, **Cloud Watch, Security groups, SNS, SES, VPC, IAM,** and **Route53, CloudWatch, CloudTrail, CloudFront, Lambda, EBS, EFS, GIT.**
- To automate the backup of the EBS volumes, creating backup and retention using life cycle manager.
- Configuring Jenkins jobs with related plugins for compiling, testing and deployment of Microservices using Helm Charts.
- Experience on **Kubernetes** and **EKS** Cluster deployments with the help of manifests and Helm Charts available on GitHub.
- Directing the external traffic to different services using **Ingress Controller** and pointing the Ingress Controller **DNS** via **Route53**.
- Monitoring the host metrics and **Alerting** using **Prometheus** and data visualization using **Grafana**.
- Proficient experience on containerization tool like **Docker** like writing the Docker files for creating Docker images.
- Worked on Docker container, attaching volumes to container, removing images, and managing containers.
- Experience in Configuration Management tool like Ansible for writing multiple playbooks and creating roles.
- Used Kubernetes to orchestrate the deployment, Scaling and management of Docker images.
- Having Experience on creating manifest files for Deployments, Pods, ConfigMaps, Secrets in Kubernetes.
- Experience in working with Terraform to create resources like EC2 instances, IAM users and roles, Subnets, Route Tables, Internet Gateway, Security Groups and S3 Buckets, EKS Cluster.
- Distribution of the incoming traffic across multiple targets due to change in workloads using **AWS Load Balancer**.

Academic Details:

- **Bachelor's Degree** in Electrical & Electronics Engineering(EEE) from Sree Chaitanya College of Engineering in the year 2017.

Technical Skills:

Operating Systems	:	Linux
CI/CD	:	Jenkins
Project Management & Documentation	:	Jira, Confluence
Artifacts Repository	:	S3, Nexus
Containerization tool	:	Docker
Configuration Management	:	Ansible
Infrastructure Provisioning	:	Terraform
Source Code Management	:	Git, GitHub
Monitoring & Alerting	:	Prometheus
Data Visualization tool	:	Grafana
Application Server	:	Apache Tomcat
Web Server	:	Apache, Nginx
Cloud Technologies	:	AWS
Orchestration Tool	:	Kubernetes, EKS
Build Tool	:	Maven
Scripting languages	:	Shell Scripting, Python scripting
Packaging Manager	:	Helm

Projects:

- **Project #2:**

Domain: HealthCare | Client: Australia | Role: DevOps Engineer

Responsibilities:

- Provisioned the AWS Infrastructure using IaC tool Terraform.
- Maintenance of fault tolerance and high availability, scalability using load balancer to meet the spike in the workloads.
- Deployment of Microservices and Services on Kubernetes using the Manifests and Helm Charts.
- Creating and maintaining the **Jenkins** slaves for distribution of loads.
- Directing the external traffic to different services using Ingress Controller and pointing the Ingress Controller DNS via Route53.
- Monitoring the host metrics and Alerting using Prometheus and data visualization using Grafana.
- Creating jobs for deployment using the CI/CD tool such as Jenkins.
- Integrating the Jenkins with the **Git**, **GitHub, OWASP**, **SonarQube**, **Quality Gates**, **Maven**, **Nexus**, **Docker**, **Trivy**, **EKS**.
- Using Configuration management tool **Ansible** for configuring multiple servers.
- Worked on Containerization tool **Docker** like writing **Docker files** and creating **Docker Images** out of them.
- Worked on **Docker** container, attaching to a running container, removing images and managing containers.
- Worked on Nginx for reverse proxy and deploying the helm charts using package manager Helm on EKS.

Project #1:

Domain: Insurance | Client: Australia | Role: DevOps Engineer

Responsibilities:

- Working on branching strategies for GIT and writing the Kubernetes manifests based on the requirement.
- Launching **EC2** Linux instances on Amazon cloud and creating security groups, changing rules and restricting access and configuring cloud watch alarms.
- Amazon IAM service enabled to grant permissions and provisioning the infrastructure using **Jenkins**.
- Deployment of **Microservices** and Services on Kubernetes using the manifests and Helm Charts and directing the external traffic to different services using **Ingress Controller** and pointing the Ingress Controller **DNS** via **Route53**.
- Monitoring the host metrics and Alerting using **Prometheus** and data visualization using **Grafana**.
- Using Cloud Watch service, created alarms for monitoring the EC2 server's performance like CPU Utilization.
- Integrated **GIT** into Jenkins to automate the code check-out process.
- Creating and maintaining the **Jenkins** slaves for distribution of loads.
- Used **MAVEN** as build tool on java projects for the development of build **artifacts** on the source code.
- Hands on experience on Configuration and Package Management, writing **playbooks**, creating **roles**, **modules** for file management, user management, copy, move, file permissions, git using **Ansible**.
- Monitoring daily builds using the **CI/CD** tool Jenkins and verifying logs if a build fails.
- Worked on Containerization tool like **Docker**, writing Docker files, building docker images using multistage build concept to reduce the resource constraints like image size and vulnerabilities.
- Verify Deployment logs to check for successful deployments.
- Integrating the Jenkins with **GitHub**, **SonarQube**, **Quality Gates**, **Maven Build**, **Nexus**, **Docker**, **Kubernetes** Deployments on AWS **EKS Cluster**.

Declaration:

I hereby declare that all the information provided in this document is true to the best of my knowledge.