

**Silpa**

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**DevOps Engineer**

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## **PROFILE SUMMERY**

- Having 3.8 years of experience in IT industry comprising of DevOps and Build & Release Management.

## **PROFESSIONAL ATTRIBUTES:**

- Overall 3.8 years of experience comprising of **DevOps Engineer, Build and Release Engineer.**
- Hands on experience with SCM tools like **Git** for branching, tagging and version management
- Experience on CI (Continuous Integration) and CD (Continuous Deployment) methodologies with Jenkins.
- Good Understanding and implementation experience of CI/CD pipeline, automation programmatically by creating **Jenkins jobs** and pipelines and solving various problems with **Maven** as plugins.
- Having Good Experience on **CI, CD** and **Pipeline** as code in **JENKINS**.
- Build Management Experience in tools such as **Jenkins, and Nexus** for build management.
- Extensive Experience in Jenkins master-slave for multi machine builds.
- Hands on experience with Configuration Management Tool such as **Ansible** and also Expertise in writing **playbooks** and creating **Roles for Scalability and Reusability** in **Ansible**.
- Proficient in creating **Docker images** using **Docker File**, worked on **Docker container snapshots, removing images**, and managing **Docker volumes** and implemented **Docker automation solution for CI/CD** model.
- Having Experience on orchestration tool like **Kubernetes**.
- Hands on experience of creating **pods, replica sets, deployments, services, volumes, Auto scaling, namespaces and providing security** by writing YAML files and managing Kubernetes.
- Designed end to end **continuous integration and continuous delivery** of the applications by using **Jenkins pipeline, Docker** and **Ansible**.
- Experience in working with AWS resources like **EC2, S3, VPC, Route53, ELB, Cloud watch, IAM, EBS, Auto Scaling** and experienced in cloud automation.
- Extensive work experience on **Apache** Web server and **Tomcat** Application server.
- Hands on experience on Virtual Hosting with **Apache** server using Multiple **Tomcat** Clustering.
- Used Ticketing tool **JIRA** to track defects and changes for change management, monitoring tools like **CloudWatch** in different work environments in real and container workspace.

## **EMPLOYMENT DETAILS**

- Working as DevOps Engineer in HCL Technologies from DEC 2017 to Till date to date.

## **TECHNICAL SKILLS**

<b>Cloud Technologies</b>	: Amazon Web Services
<b>Operating Systems</b>	: RHEL (LINUX), Ubuntu, windows
<b>Configuration Management</b>	: Ansible, Knowledge on Chef
<b>Build Tools</b>	: Maven
<b>CI/CD Tools</b>	: Jenkins
<b>Version Control</b>	: GIT, Bit Bucket
<b>Project Management Tools</b>	: Jira, Confluence
<b>Monitoring Tool</b>	: Prometheus, EFK

**Virtualization** : Vagrant, VM Ware  
**Containerization** : Docker, Kubernetes  
**Provisioning** : Ansible, Terraform

## **EDUCATION SUMMARY**

- BSC Computer Science from SV degree College Kalakada in **2015**.

## **WORK HISTORY**

### **Project1:**

**Client** 1  
**Role** : DevOps Engineer  
**Technologies** : Maven, Jenkins, Ansible, Docker, Kubernetes.  
**Duration** : April 2019 to Till to Date.

### **Description:**

The Charles Schwab Corporation is a bank and stock brokerage firm based in San Francisco, California. Company offers an electronic trading platform to trade financial assets including common stocks, preferred stocks and it also provides margin lending, and cash management services, as well as services through registered investment advisers.

### **Roles & Responsibilities:**

- Built deployment pipelines using Jenkins as a front end for continuous deployment to local staging and test environments and to production environments on demand, using a combination of Ansible, Docker.
- Involved in designing and deploying a multitude of applications utilizing the AWS stack including **EC2, VPC, Route53, S3, RDS, Dynamo DB** focusing on high-availability, fault tolerance and **auto-scaling** in AWS by using **Terraform**.
- Installing and configuring **Apache Tomcat** server to deploy the build artifacts through automated shell scripts.
- Deploying application using **Jenkins server** and Troubleshoot **build** and **release** job failures, resolve, work with engineers on resolution.
- Integrated **Maven** with **Jenkins** to run and automate the build process as a part of continuous delivery.
- Involved on **setup Kubernetes clusters** in Linux Environment.
- Involved on creating **Pods, replica sets, deployments, services, volumes, Auto scaling, namespaces and providing security** by writing YAML files and managing Kubernetes.
- Creating **Docker images** using **Docker File**, worked on **Docker container snapshots, removing images**, and managing **Docker volumes** and implemented **Docker automation solution for CI/CD** model.

## **Project2:**

**Client** 2  
**Role** : DevOps Engineer  
**Technologies** : Ansible, Maven, Git, Jenkins.  
**Duration** : Dec 2017 to March 2019

## **Description:**

The company specializes in providing luxury and tailor-made travel to both the business and consumer markets, as well as related services such as visa processing, to destinations around the world across nine different geographic regions.

## **Roles & Responsibilities:**

- Responsible for maintaining and improving our uptime record and performance, monitoring, health of the servers.
- Responsible for the Plug-in Management, User Management, Build/Deploy Pipeline Setup and End-End Job Setup of all the projects.
- Managing **Continuous Integration** and **Continuous Delivery (CI/CD)** using jenkins and release management.
- Configure the Day and Night builds for the sprint teams in **JENKINS**.
- Designed the pipelines using Jenkins as CI tool.
- Managing Jenkins artifacts in **Nexus** repository and versioning the artifacts with time stamp.
- Created the automated build and deployment process for application, re-engineering setup for better user experience, and leading up to building a continuous integration (Jenkins) system for all our products.
- Performed all necessary day-to-day **GIT** support for different projects.
- Created **Docker** files for easier replication of **DEV** and **QA** environments in local machines.
- Writing **PLAYBOOKS** to automate infrastructure using **ANSIBLE**.
- Implementing **ANSIBLE** to manage all existing servers and automate the build/configuration of new servers.
- Using Ansible to manage Web Applications, Config Files and Packages.
- Created **Docker images** using a Docker file. Worked on Docker container **snapshots**, removing images and managing docker volumes and experienced with Docker container service.