

# Santhosh Kumar

## Devops Engineer



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Karaikal

### Professional Summary

- Having total 5+years of Total experience in IT & 3.5years relevant to **Cloud & Devops Platform**
- Expertise in areas of Software Configuration Management, version control, DevOps build and release management, Linux system administration
- Experienced in branching tagging and maintaining the version across the environments using SCM tools like GIT and GIT HUB on **Linux and Windows platforms**
- Hands on experience in **kubernetes, Docker , Terraform, Jenkins , Ansible**

### Professional Experience

#### Client : Folx Health

- Create and maintain full automated **CI/CD pipelines** for Code deployment.
- Written **Docker** File to build Docker Images to run them as Docker Containers. Built and deployed **Docker** containers for implementing micro services architecture from monolithic architecture.
- Manage and configure **AWS services** as per the business needs (**ELB, Route53, S3, CloudWatch, IAM, VPC**).
- Designing, building and managing **Kubernetes** Container platforms, Docker Containers.
- Used **Kubernetes** to orchestrate the deployment, scaling and management of **Docker** Containers.
- AWS CLI commands with different services and AWS EC2 and load balancer script using **Terraform**.
- Experienced in creating complex **IAM policies**, Roles and user management for access within **AWS**.
- Actively manage, improve, and monitor cloud infrastructure on **AWS, EC2** including

- backups, patches and scaling.
- Used **Ansible** for Configuration Management and having good knowledge of writing Playbooks.
- Automated build and deployment using **Jenkins** to reduce human error and speed up production processes.
- Managed **GitHub** repositories and permissions, including branching and tagging.
- Setup/Managing **VPC**, **Subnets**, make connection between different zones blocking suspicious ip /subnet via ACL.
- Setup/Managing CDN on **Amazon Cloud Front** to improve site performance.
- Worked on creating **Kubernetes** cluster from end to end.
- Creating/ Managing AMI/ Snapshots/ Volumes, Upgrade/ downgrade AWS resources (CPU, Memory, EBS).
- Created volumes and attach volumes on to **EC2** instances.
- Utilized **Cloud Watch** to monitor resources such as EC2, CPU memory, EBS volumes to set alarms for notification or automated actions and to monitor logs for a better understanding and operation of the system.
- Attaching or Detaching EBS volume to AWS EC2 instance.

#### **Client : LT Foods Ltd**

- Linux/Windows/Ubuntu servers on Amazon EC2 & monitor thru SNS & Amazon Cloud Watch.
- Written **Docker** File to build Docker Images to run them as **Docker** Containers. Built and deployed Docker containers for implementing micro services architecture from monolithic architecture.
- Written **Terraform** code for building Cloud Infrastructure. Automated builds workflow using **terraform**.
- Creating/Managing AMI/Snapshots/Volumes, Upgrade/downgrade AWS resources (CPU, Memory, EBS). Setup/Manage Databases on **Amazon RDS**
- Used **Ansible** to do configuration and to automate deployments
- Manage and configure AWS services as per the business needs (ELB, Route53, S3, Cloud Watch, IAM, VPC) in Global infrastructure.
- Handling L1 and L2 level issues, involved in the client calls, done several deployments, resolving the tickets to ensure system availability as per multiple Service Level Agreements (SLA).
- Implemented continuous delivery pipeline involving Jenkins, **Ansible** to complete the automation from commit to deployment
- Assisted developers with establishing and applying appropriate **branching**, labelling convection's using GIT source control
- Implemented and supported CI process via **Jenkins**

- Worked on creating **Kubernetes** cluster from end to end.
- Administrated and Implemented CI tools Jenkins for automated builds and also integrating unit test and code Quality Analysis Tool like **SonarQube**
- Hands on working experience on **Web Server (Apache)**, **Application Servers (Tomcat)** and **DB Server (MySQL)**
- Documented the entire installation process for various tools and provided on-call support.

## **Client : Chevron Corporation**

- Installing and configuring **GIT**, **Jenkins**, Deployment and automation.
- Maintaining the source code in **GIT** for various applications.
- Written **Terraform** code for building Cloud Infrastructure. Automated builds workflow using **terraform**. Knowledge on **CloudFormation**.
- Worked on creating **Kubernetes** cluster from end to end.
- Understanding the client environment, Administrating and creating solutions using AWS services, **CI/CD**, **GIT**, **Dockers**.
- Developed and implemented Software Release Management strategies for various applications according to the agile process.
- Administered merge, build and deployment of the codes to all the environments.
- Responsible for creating the branches and tagging the code.
- Defined branching and merging strategies on **Github**.
- Used **Kubernetes** to orchestrate the deployment, scaling and management of **Docker Containers**.
- Coordinate or assist the developers with establishing and applying appropriate branching, merging conventions by using **Github**.
- Used **Ansible** for configuration management.
- Identity root cause, and resolve problems.
- To configure and maintain codebase to support the build and deployment of code on servers.
- **Splunk** is used to monitor the log files in server.
- **Jenkins** is used as a Continuous Integration tool for automation of daily process.
- Involved in the release process and deployed applications (**WAR** and **JAR**) to the **Tomcat**.

## Education

### Under Graduate:

B.TECH Mechanical Engineering

Bharathiyar College of Engineering And Technology (2013-2017)

CGPA: 6.7

### HSC:

Srvs National Higher Secondary School (2013)

Percentage: 67 %

### SSLC:

Karaikal Ammaiyar Higher Secondary School (2011)

Percentage: 77 %

## Working Experience

ITRUST SOFT SOLUTIONS (2018 – 2023)

## Skills

➤ <b>Configuration Automation Tools</b>	: Ansible, Terraform
➤ <b>Containerization</b>	: Docker
➤ <b>Orchestration</b>	: Kubernetes
➤ <b>CI/CD</b>	: Jenkins
➤ <b>Source Code Management</b>	: Git, GitHub
➤ <b>Defect Tracking Tool</b>	: Jira
➤ <b>Build tools</b>	: Maven
➤ <b>Web Server</b>	: Apache Tomcat
➤ <b>Cloud Platform</b>	: Amazon Web Services
➤ <b>Scripting</b>	: Python
➤ <b>Monitoring tools</b>	: Cloud Watch, Splunk, Prometheus
➤ <b>Operating System</b>	: Linux, Ubuntu & Windows
➤ <b>Code coverage Tool</b>	: SonarQube

**Personal Details :**

Father's name : S. Shanmuga Sundaram

D.O.B : 05.07.1996

Marital Status : Unmarried

Languages Known : Tamil , English

**Declaration :**

I hereby declare that above mentioned information is correct and best to my knowledge

**Place :****Signature****( Santhosh Kumar)**