

**Sai Shankar**





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**ABOUT ME**

Well versed in software production, development life-cycle and release of software products. Looking for a responsible position as a Build and Release Engineer in an established IT firm 4 years of experience on DevOps Engineer activities.



**Educational Qualification**

Completed B-Tech in 2010 in Intell Engineering Collage from JNTU Anantapur With an aggregate of 64%



**Professional Summary**

* Having 4 years of IT experience as DevOps Engineer and Software Configuration activities and deployment activities for web-based software applications.
* Work Experience on AWS services like **EC2**, **RDS**, **Cloud Watch**, **VPC**, **IAM, EBS, Lambda, Auto Scaling, Cloud Formation, SQS, SNS, and Cloud9** etc.
* Experience in working with Amazon Web Services **(AWS),** Creating **EC2** Instances and configuring all web Services **like EC2, S3 bucket, IAM** through AWS Console.
* Expertise in creating DevOps strategy in a mix environment of Linux **(RHEL, CENTOS,)** servers along with Amazon Web Services.
* Work Experience on Setup infrastructure management like installations, configurations, setup an application in **Fault tolerance** and **Load balancing** mode.
* Good working experience on **Linux** Operating Systems.
* Creating, deleting the users, directories partitions, giving the permissions in **linux**.
* Proven experience on create **Branching** and **Tagging** concepts in Version Control tool like **GIT**.
* Good Experience on source code management tool **GitHub**, Git And managing GitHub account for providing access to the Developers.
* Performed installation & configuration of **Tomcat** application server, and **Apache** server.
* Experience on building and deploying **Java** web applications in **Apache Tomcat**.
* Good Knowledge in automation scripting languages like **Shell Scripting**.
* Proven experience on Build Tools like **Maven**.
* Hands on Experience with Build Tool Maven to generate project **Artifacts.**
* Good experience in automating build process using **Jenkins** tools.
* Extensively worked on Jenkins for **Continuous Integration** and deployment for performing Nightly builds, Milestone builds with end to end automation for all build and deployments.
* Working with multiple teams in automating **CI & CD** pipeline using **Jenkins** tools.
* Proven Good experience in configuration management tools like **Ansible**.
* Hands on experience on **Ansible playbooks** and configuring the servers like Ansible control server, Database server and Application server.
* Used **YAML** scripting in automating many modules through Playbooks
* Extensively used Code Commit, Code Pipeline.
* Good Knowledge using the **Artifacts** repository **Nexus.**
* Proven experience on continuous Build and Deployments to multiple environments like **Dev, QA**, Performance and **UAT.**
* Managed daily builds and releases to **QA**. Debugged build failures and worked with developers and QA people to resolve related issues.
* Familiar with Software Development Life Cycle **(SDLC)** processes.
* Responsible for Creating and maintaining builds and Administering Jenkins and Involved in Deployment related activities.



**Work Experience**

## Project 3:

**Client :** johndeere

**Technology :**  AWS, Git, Maven, Jenkins, Apache Tomcat sever, Linux.

**Designation :** DevOps Engineer.

**Duration :** August 2018 to till date

**Roles & Responsibilities:**

* Setup/Managing Linux and Windows Servers on **AWS** (**EC2**, **EBS**, **ELB**, **SSL**, Security Groups, **RDS** and **IAM**).
* Setup/Managing **VPC**, **Subnets**; make the connection between different zones; blocking suspicious ip/subnet via ACL.
* Setup/Managing Databases on Amazon **RDS**. Monitoring servers through Amazon Cloud Watch, SNS.
* Creating/Managing **AMI**/Snapshots/Volumes, Upgrade/downgrade AWS resources (CPU, Memory, EBS).
* Involved in DevOps automation process for build and deploy environments.
* Setting up the new build environment for various applications in **Linux** environment.
* Manage source code control repository in **GIT**- controlling & monitoring release & create tags for builds.
* **Merging** and **Tagging** need to be done after the code went to live environment.
* Providing support to **GIT** related issues to developers.
* Experience in writing **playbooks** in Ansible for deploying the code onto servers running on AWS instances.
* Created Maven infrastructure for Compiling and packaging of files and deploying them in **Tomcat server**.
* Supporting code builds by integrating with continuous integration tools like **Jenkins** and builds the code using **Maven**.
* Installing and configuring Ansible and Involved in writing **Ansible playbooks** for configuring the servers. Automating the manual process if any, by writing the **YAML** scripts.
* Work Experience on creating **EC2** instances and snapshots in Amazon web services.
* Launching and configuring of Amazon **EC2** Cloud Servers using **AMI’**s (Linux/Centos) and configuring the servers for specified applications.
* Maintaining the versions of Jenkins artifacts in **Nexus** repository.
* Creating and running the jobs in Jenkins as per build calendar & if any plug-ins are required then configuring the required plug-ins to Jenkins.

## Project 2 :

**Client : CITI BANK across globe**

**Technology :** Git, Maven, Jenkins, Apache Tomcat sever, Linux.

**Designation :** Build and Release Engineer.

**Duration :** June-2017 to Aug-2018

**Description:**

SWIFT(Society for Worldwide Interbank Financial Telecommunication) provides a centralized store-and-forward mechanism, with some transaction management. SWIFT guarantees are based primarily on high redundancy of hardware, software, and people.SWIFT Messages Validation by central FIN system. Swift GPI enables banks to provide end to end payment tracking. SWIFT has developed end to end tracker database ‘in the cloud’ hosted at SWIFT

**Roles & Responsibilities:**

* Involved in improving build time & configuring Jenkins for Continuous Integration Jenkin using maven tool. Also worked on GIT repository.
* Develop automation and deployment utilities using Python.
* Monitoring daily builds using continuous integration tool Jenkins.
* Verify Deployments logs to check for successful deployments .
* Web & Application Servers: Hands on Web & Application Servers.
* Source control, repositories, versioning, branching, merging, SCM libraries such as GIT.
* Using Ansible scripts, continuous deployment. Involved in improving build time & configuring Jenkins for Continuous Integration.

## Project 1 :

**Name :** ARCUS Hospital Management System.

**Technology :**  SVN, Maven, Jenkins, Tomcat.

**Designation :** Build And Release Engineer

**Duration :** April-2016 to June2017

**Description:**

Hospital Management System is complete software developed by us for Hospitals. The hospital Management consists of almost all the modules like inpatient/outpatient registration, patient enquiry, billing, consultation for reception module, separate billing for account module, patient information, view of case details ,operation schedules for doctor information **,** patient information ,case details entering, medicine maintenance for each patients etc for nursing. Apart from this we also have developed modules for pharmacy, canteen, labs, tests, etc. Right now we are customizing the software for one of the hospitals named Holy cross Hospital.

**Roles & Responsibilities:**

* Administration of Subversion tool includes creating branches, tagging and access permissions.
* Installation and troubleshooting SVN related problems.
* Coordinating with developers and testers for SVN related issues.
* Automated Monitoring of jobs/report runs, schedule verifications.
* Part of support team member during releases, Implementations.
* Automating builds using Jenkins and Maven scripting
* Responsible for Daily builds, Continuous build and patch builds
* Responsible for creating the new build setup and new projects using Jenkins
* Responsible for the deployment of Dev, QA, productions environment
* Perform Production deployment activities and configuration changes on need basis.



**Technical Skills**

* **Version Control Systems : Git.**
* **Repositories : GitHub, GitLab, bit bucket.**
* **Build Tools : Maven.**
* **CI/CD Tools : Jenkins.**
* **Configuration Management Tool : Ansible.**
* **Containerization : Docker.**
* **container orchestration : Docker Swarm.**
* **Scripting Languages : Shell, YAML.**
* **Web/App servers : Apache Tomcat.**
* **Platforms : Linux**
* **Cloud Services : AWS.**
* **Other Tools : Putty.**



**Personal Overview**

* + Problem solving, planning, and organizing.
  + Strong desire for Creativity, Innovation and Quick Learner.
  + Flexible to adapt to any new environment.



# Personal Details

**Date of Birth : 12**th March 1986 **Father name : Sreenivasulu P**

**Nationality :** Indian

**Current Location :** Marathahalli, Bengaluru-560037

**Languages :** English, Telugu, Hindi, Kannada

# Declaration

I Sai Shankar, hereby declare that the information contained here is true and correct to the best of my knowledge and belief.

### Place : Bangalore

**Date : *Signature***

**Sai Shankar**