

# Sai Kiran Sarab

## DevOps Engineer

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## PROFILE

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Critical thinking DevOps Engineer with an extensive understanding of high availability architecture and concepts. Purpose-driven professional with the capacity to be strong team player plus work effectively independently. Seeking new position involved in IT designing, planning and testing.

- Overall 4+years of experience comprising of Cloud Engineer and DevOps Engineer.
- Configuring, automating and maintaining build and deployment CI/CD tools Git, Jenkins, Docker and JIRA for Multi-Environment (Local/NON-PROD/PROD) with high degrees of standardization for both infrastructure and application stack automation in AWS cloud platform.
- Working experience on pipeline and multi-branch pipeline for our services in development, staging, and pre-production environment by using the integrated Tools, Jenkins.
- Hand on experience in delivering container-based deployments using Docker.
- Extensive experience in setting up the Kubernetes for the Docker to handle cluster-based containers.
- Implemented Testing environments for Kubernetes and administrated the Kubernetes clusters.
- Deployed and orchestrated the applications with Kubernetes.
- Experience in server monitoring tools like ELK.
- Proficient in using Configuration Management tools such as Ansible on Linux machines. Created many customized modules Playbooks for configuring applications on the client nodes.
- Hands-on working experience on Web Server (Apache) & Application Servers(Tomcat).
- Experience in Amazon Web Services like EC2, S3, IAM, VPC and Glacier.
- Strong ability to troubleshoot any issues generated while building, deploying and in production support and schedule and run tasks in the background using Crontab.
- Hands-on experience with JIRA, an issue and project management tracking tool.
- Ability in development and execution of Shell scripts.
- Log Analysis, Maintaining documents of production servers.

## WORK EXPERIENCE

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**October 2019 - August 2020**

### DevOps Engineer

Piquota Digital Solutions

Bangalore, Karnataka

#### PROJECT : I

Project Name: Privafy.com

Client : Privafy

Role: DevOps Engineer

Duration: October 2019 to Continue

Environment: Linux, GIT, Shell Scripts, Jenkins, GCP, Docker, Kubernetes.

#### ROLES AND RESPONSIBILITIES

- Experience and good knowledge of Kubernetes & Docker.
- CI/CD pipeline with Jenkins and AWS ECS, Kubernetes for Docker-based Microservices.
- Good Hands-On with Google Kubernetes Engine to set-up cluster, namespaces, context, secrets,config-map & Nodes Health Check.
- Implementation and Alerting With Apache Kafka to attach the log to ELK stack to complete the monitoring stack.
- Setup and monitor daily continuous/production builds. End To End CI/CD set-up Between Jenkins & Bitbucket.
- Configured Automatically trigger build whenever any push comes towards the develop, Master or Hotfix Branches and Reports Send to the Mandatory Reviewers.
- Develop and improve the tools and services necessary to support the DevOps model.

- Setup Jenkins with the Kubernetes cluster with node configuration on the same premises.
- Set-Up Multibranch Pipeline with GKE cluster deployment with Jenkins.
- Prometheus & ELK data clearance cycle configuration with high availability on Cloud Buckets.

## **July 2017 - August 2019**

### **DevOps Engineer**

Coindelta.com (Bitfair Technologies Pvt. Ltd.)

Pune, Maharashtra

#### **PROJECT : II**

Project Name : Coindelta.com

Client : Bitfair Technologies Pvt. Ltd.

Role: DevOps Engineer

Duration: July 2017 to August 2019

Environment: Linux, GIT, Nagios, Python, Shell Scripts, Tomcat, Jenkins, Ansible, AWS EC2, Docker, Kubernetes.

#### **ROLES AND RESPONSIBILITIES**

- Implemented continuous delivery pipeline involving Jenkins, Ansible to complete the automation from commit to deployment.
- Assisted developers with establishing and applying appropriate branching, labelling convention using GIT source control.
- Expertise in coordinating and supporting the merging process with source code control.
- Implemented the setup for master-slave architecture to improve the performance of Jenkins.
- Implement, maintain and support reliable, timely and reproducible builds.
- Knowledge of Configuration management tool, Ansible to deploy critical applications, automates repetitive tasks and proactively manages changes.
- Created, modified and customized playbook modules to fit in infrastructure requirements..
- Monitor AWS resources, set a notification alarm in case of trouble through Sentry.
- Experience in setting up the security groups to associated EC2 instances in the VPC.
- Proficient in writing Bash Shell Scripts.

## **July 2016 - June 2017**

### **Junior DevOps Engineer**

Shipler (Zenprice Technology Pvt. Ltd.)

Mumbai, Maharashtra

#### **PROJECT : III**

Project Name : Shipler.com

Client : Zenprice Technology Pvt. Ltd.

Role: Junior DevOps Engineer

Duration: July 2016 to July 2017

Environment: Linux, GIT, Shell Scripts, Tomcat, Jenkins, Ansible, AWS EC2, Docker, Kubernetes.

#### **ROLES AND RESPONSIBILITIES**

- Design and develop Continuous Integration and continuous deployments with tools like GIT, Maven, Jenkins and Ansible.
- Installed, configured and Administrated of all UNIX/LINUX servers on Amazon Web Services (AWS).
- Deployed and monitored scalable infrastructure on Amazon web services (AWS) & configuration management using Ansible.
- Writing Playbooksto manage configurations and automate the installation process for web servers and application server in AWS instances.
- Worked on Amazon Web Services, creating & configuration of EC2 instances, virtual machines to configure with the elastic IPs, worked on security groups to resolve firewall issues. Good understanding of creating Images for EC2 instances.
- Coordinate with Development, QA, and System/Infrastructure teams to ensure continuous operation of build and deployment systems.
- Supported project teams in a Continuous Integration and Continuous deployments environment with Jenkins. Perform Maintenance and troubleshoot the CI/CD systems.
- Experience in setting up the pipeline and multibranch pipeline process in Jenkins and helping the team for release

candidate builds.

- Setup VPC, Subnets make the connection between different zones & create Jumpbox.

## SKILLS

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Operating Systems	: Ubuntu, Windows, MacOS
Web Server	: Apache ,Nginx
Build Tools	: Maven
Version Control	: Git, GitHub
Virtualization Tools	: Docker, Kubernetes
Infrastructure Management	: Terraform & Packer
Configuration Mgmt Tools	: Ansible & Chef
Cloud Technologies	: AWS & GCP
Continuous Integration	: Jenkins
Monitoring Tools	: Nagios, Sentry, ELK & AWS Cloud Watch,
Tools	: ELK & Jira
Scripting Languages	: Shell scripting, Python scripting

## EDUCATION

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### Bachelor of Engineering / Bachelor of Technology, Electrical Engineering

Sophitorium College Of Engineering & Technology	Completed, June 2016
BPUT	Marks 75 %
Bhubaneswar, Odisha	

## PERSONAL DETAILS

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Birthday:	30/06/1994	Marital Status:	Single
Gender:	Male	Nationality:	India

### Address:

Banglore -  
Karnataka  
India

### Declaration

I hereby declare that the above furnished information is true to the best of my knowledge and belief.

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**Sai Kiran Sarab**