# SAI TEJA IRRINKI

DEVOPS ENGINEER

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## 🔗 Links

G [https://saitejairrinki.github.io](https://saitejairrinki.github.io)

in https://www.linkedin.com/in/sai-teja-irrinki-1959051a0/

⬤ https://github.com/saitejairrinki/

🐳 https://hub.docker.com/u/saitejairrinki

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## 🔖 PROFESSIONAL SUMMARY

This is Saiteja Irrinki Working as Build &Release as a DevOps Engineer in Visualpath IT Services. Experience in Configuration Management covering Build Management, Version Control, Code Quality, Environment Administration, Defect Tracking, Release Management, Continuous Integration and Continuous Delivery, Cloud Computing, Container Orchestration, Scripting for Automation, Static Web Development, Orchestration, Technologies and Operating Systems – Linux, Windows.

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## 🖥 TECHNICAL SKILLS

🎖 OPERATING SYSTEMS – LINUX, WINDOWS

🎖 CLOUD PLATFORM – AWS, GCP BASICS

🎖 Containerization Tools – Docker, Kubernetes

🎖 Virtualization – Vagrant

🎖 Automation – Shell Scripting, Ansible, Cloud Formation

🎖 Version Control Tool – GIT

🎖 Build Software – Maven

🎖 Continuous Integration Tool – Jenkins

🎖 Web/App Server – Tomcat

🎖 Static Web Development – MkDocs

🎖 Databases – RDS, MySQL

## 💼 WORK EXPERIENCE

- Around 6 months of experience in IT area comprising of configuration management, Deploy, CI/CD pipeline, AWS and DevOps methodologies.
- Expertise in troubleshooting the problems generated while building and deploying.
- Working Experience on **Git, GitHub, Jenkins**. Debugging issues if there is any failure in broken Jenkins build and maintaining Jenkins build pipeline.
- Expertise Knowledge in Source Code Management (version control system) tools using **GIT**.
- Experienced on Branching, Merging, and Tagging concepts in Version Control tool like GIT.
- Proficient in developing **Continuous Integration / Continuous Delivery** pipelines.
- Experience on containerization tools like **Docker**.
- Experience on build tools and packaging the source code using **Maven**.
- Scheduled builds overnight to support development needs using **Jenkins, Git**, and **Maven**.
- Experience in integrating Unit Tests and Code Quality Analysis Tools like **SonarQube**.
- Experience in using **Nexus** Repository Manager for Maven builds.
- Experience in orchestration tools like **Kubernetes** using **KOPS & Kubeadm.**
- Experience with services **IAM, Compute Engine, Kubernetes Engine, Storage**
- **Buckets.**
- Experience with Amazon Web services Creating, configuring and Managing **EC2,**
  **Storage, IAM, S3, VPC, ELB, Cloud Watch, EKS, SNS, Route53, Elastic    Cache, Amazon MQ, services in AWS.**

- Experience in using **Apache Tomcat** servers for deployments.
- Working experience on operating systems like Linux, Windows.
- Performed continuous Build and Deployments to multiple **DEV, QA, PRE-Prod and PROD environments.**
- Have Good knowledge in **Shell Scripting, AWS Cloud Formation & Ansible**
- Static- Web-Documentation **MkDocs**
- Ability to learn new skills quickly

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## 🎓 EDUCATION

- B Tech – Electrical and Electronics Engineering – 2020
- Intermediate – MPC – 2016
- 10th class – SSC – 2014

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## 📋 PROFESSIONAL EXPERIENCE

- Working as DevOps Engineer & Trainer with Visualpath IT Services Pvt Ltd from August 2021 to till now.

## ⚙ PROJECT

Internal

**Tools:** Git, GitHub, Maven, Nexus, SonarQube, Jenkins, Docker, Kubernetes, AWS, Linux.

### Roles and Responsibilities:

- Involved in CI/CD process and integrated GIT, **Nexus, SonarQube**, Maven Artifacts build with Jenkins
- Creating Docker image and using the Docker image to deploy over **(Kubernetes).**
- Building and deploying various micro services in **Kubernetes** by **KOPS**
- Creating and maintaining **namespaces, configmaps, secrets, service, ingress** in **Kubernetes.**
- Implemented and maintained the Branching and build/ release strategies utilizing **GIT**.
- Experience with container-based deployments using Docker, working with **Docker images, Docker Hub** and **Docker-registries** and **Kubernetes**.
- Building/Maintaining **Docker container** clusters managed by **Kubernetes Linux**, **Bash, GIT, Docker**.
- services and later used **Docker file** to build the Docker images from the java jar files.
- Experience in working on AWS and its services like **AWS IAM, VPC, EC2, EKS, EBS, S3, ELB, Auto Scaling, Route 53, Cloud Front, Cloud Watch, Cloud Trail, and SNS.**
- Experienced in Cloud automation using **AWS Cloud Formation templates to create custom sized VPC, subnets, NAT, EC2 instances, ELB and Security groups.**
- Experienced in creating complex IAM policies, Roles and user management for delegated access within AWS
- Identify, troubleshoot and resolve issues related to **build** and deploy process.
- Deploying **Docker images** in Kubernetes cluster using Yaml files and exposing the application to internet using service object.
- For Securable purpose store the Docker images **into Docker registry**.
- Created namespaces, service account in **Kubernetes.**

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## 👤✔ DEVOPS ENGINEER ROLES

### Cloud Migration using Lift and Shift Strategy on AWS Services using

- VPC, Ec2, S3, Application Load Balancer, Route53
- IAM to give secure access to AWS account using MFA
- Tightly controlled Security Group for firewall rules of EC2
- EBS volume for storage on Ec2, Snapshot for Backups of EBS
- Auto scaling for Automatic scaling of Ec2 instance based on CPU usage

## Modernization on AWS Cloud Services used

- Beanstalk for PAAS for Tomcat Web App
- RDS for MySQL Database
- Object storage S3 to store and retrieve files
- Route53 for Private and Public Hosted zones/Records
- Amazon MQ for fully managed RabbitMQ,
- ElastiCache for in memory data store in cloud
- Monitoring with Cloudwatch, Grafana
- Notification using SNS

## Continuous Delivery of Java Web Application

- CICD Pipeline using Jenkins, Git, Maven, Nexus and SonarQube
- Deploying Artifact to Beanstalk from Jenkins
- Jenkins Pipeline As A Code for CICD

## Configuration Management using Ansible

- Ansible AdHoc commands to execute remote tasks
- Ansible playbook for Service/Server Deployments
- Ansible Roles for modular and reusable automation framework

## AWS Cloud Automation using

- Ansible
- Cloud formation

## Docker Containers

- Building customized Docker images using Dockerfile
- Docker-compose to run MultiContainer Docker Application

## Kubernetes

- Creating Production grade K8s cluster using Kops & Kubeadm
- Hosting Containerized Application on K8s cluster
- Pod, Service, Replication Controller, Deployment, Secrets , Replicaset

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## 📄 DECLARATION

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

Place: Hyderabad                                    SAITEJA IRRINKI