SAI TEJA IRRINKI

DevOps Engineer

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🔗 Links

G *https://softwarelife.github.io*

🐙 *https://github.com/saitejairrinki/*

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

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

🔖 PROFESSIONAL SUMMARY

This is SAITEJA IRRINKI working at **Zelarsoft** as a DevOps Engineer. Having experience in Configuration Management covering Build Management, Version Control, Code Quality, Environment Administration, Defect-Tracking, Release-Management, Continuous-Integration, Continuous-Delivery, Cloud Computing, Container Orchestration, and Scripting for Automation, Static Web Development, Orchestration Technologies, and Operating Systems - Linux, Windows.

🖥 TECHNICAL SKILLS

👆 Operating Systems – Linux, Windows

👆 Cloud Platforms - AWS, AZURE, GCP Basics

👆 Containerization Tools – Docker, Kubernetes

👆 Virtualization – Vagrant, Virtual Box, VMware ESXi

👆 Automation – Shell Scripting, Ansible, PowerShell

👆 Infrastructure Provisioning – Cloud Formation, Terraform

👆 Version Control Tool – GIT

👆 Build Software – Maven

👆 CICD – Jenkins, Azure DevOps

👆 Web/App Server – Tomcat

👆 Static Web Development – MkDocs

👆 Ticketing Tool – Freshdesk

🏢 WORK EXPERIENCE

- Experience in IT area comprising configuration management, Deploy, CI/CD pipeline, Cloud, and DevOps methodologies.
- Expertise in troubleshooting the problems generated while building and deploying.
- Working Experience on **Git, GitHub,** and **Jenkins**. Debugging issues if there is any failure in broken Jenkins build and maintaining Jenkins build pipeline.
- Working Experience in **Azure Cloud** and **Azure DevOps**
- Experienced in Branching, Merging, and Tagging concepts in Version Control tools like **GIT**.
- Proficient in developing **Continuous Integration / Continuous Delivery** pipelines.
- Experience with 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 and **S3** for Storing **Artifacts**.
- Experience in orchestration tools like **Kubernetes** using **KOPS, Kubeadm, K3S, Minikube,** etc.
- Experience with services **IAM, Compute Engine, Kubernetes Engine, and Storage Buckets.**
- Experience with Amazon Web services Creating, configuring, and Managing **EC2, Storage, IAM, S3, VPC, ELB, Cloud Watch, EFS, Route53, Elastic Cache, Amazon MQ,** and Other services.
- Experience in using **Apache Tomcat** servers for deployments.
- Working experience on operating systems like Linux, and Windows.
- Performed continuous Build and Deployments to multiple **DEV, QA, Pre-PROD, and PROD** Environments.
- Working Experience in **Shell Scripting, PowerShell, AWS Cloud Formation & Ansible.**
- Expertise in Static- Web-Documentation using **MkDocs.**
- Experience with **STYRA** Declarative Authorization Service (DAS).& **OPA** – Open Policy Agent.
- Ability to learn new skills quickly.

🎓 EDUCATION

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

🔖 PROFESSIONAL EXPERIENCE

- Working as DevOps Engineer with **Zelarsoft Pvt Ltd** from March 2022 to till date.
- Worked as DevOps Engineer with **Visualpath Pvt Ltd** from March 2021 to February 2022.

🖲 PROJECT-1

Name: Celito Drug Design Project (CDDP)

Client: Celito Tech

Tools: Azure Cloud Services, Azure DevOps, PowerShell, Power Apps, Windows OS.

Roles and Responsibilities:

- Worked with team to Develop Application Requirements.
- Created a **Workflow & Branching Strategy** with the Requirements.
- Setup/managed **Azure Repos** and Branching Strategy.
- Established a Build/Release pipeline with automated build and Continuous-Integration.
- Automated the provisioning of **Powerapps** Environments (Dev, Staging, Pre-Prod, Prod) using **Azure DevOps** Tasks and Azure resources **(App Registration, Blob, Back-up Center, Cosmos DB, Key Vault, Azure VMs)** using PowerShell and Templates.
- Validated Azure Resources during provisioning & pre-configuration by writing a **PowerShell Script.**
- Monitored Automated build & Continuous-Integration process to drive Build/Release **Failure Resolution.**
- Automated and Implemented system backup and recovery procedures.
- Worked with **Software Development and Testing-Team** members to design and develop robust solutions to meet client requirements for **functionality, scalability, and performance**.
- **Documented** project design for reference and future use cases
- Involved in CI/CD process and integrated **SonarQube** with **Azure DevOps** for Quality-Analysis.

🖲 PROJECT-2

Name: Techbricks Edu

Client: Internal

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

Roles and Responsibilities:

- Involved in CI/CD process and integrated GIT, Nexus, SonarQube, and Maven Artifacts build with **Jenkins**
- Creating **Docker Images** and using the Docker image to deploy over (Kubernetes).
- Creating and maintaining **namespaces, config maps, secrets, and Service** in Kubernetes.
- Experience with container-based deployments using Docker, working with **Docker images, Docker Hub and Docker-registries, and Kubernetes.**
- Experience in working on AWS and its services **like IAM, VPC, EC2, EBS, S3, ELB, Auto Scaling, Route 53, Cloud Front, Cloud Watch, EFS**, and Others.
- Experienced in Cloud automation using **AWS Cloud Formation** templates to create customized **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.
- For Securable purposes store the Docker images in the Docker registry.

👤ᵛ 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 the in-memory data stored in the cloud
- Monitoring with Cloud watch, 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

Docker Containers

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

Infrastructure Provisioning Using

- Ansible
- Cloud formation
- Terraform

Kubernetes

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

Azure Cloud & Azure DevOps

- Automated the provisioning of Azure resources (App Registration, Blob, Back-up Center, Cosmos DB, Key Vault, Azure VMs) using PowerShell and Templates.
- Created a Build/Release pipeline with automated build and Continuous-Integration using Azure DevOps.

☰ DECLARATION

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

Place: Hyderabad   SAI TEJA IRRINKI