SOUMYA R ROUT

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PORTFOLIO
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GITHUB.IO/

GITHUB
HTTPS://GITHUB.COM/SOU
MYAROUT80

STACK OVERFLOW
HTTPS://STACKOVERFLOW
.COM/USERS/7897544/SOU
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ADDRESS
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CG16, Isha Casablanca,
Panathur, Bangalore,
Karnataka, 560103, India

EDUCATION

PG DIPLOMA IN SOFTWARE DEVELOPMENT (FULL STACK)
IIIT Bangalore, India OCTOBER 2019 - OCTOBER 2020

BACHELOR OF TECHNOLOGY (ELECTRONICS & INSTRUMENTAION)
Seemanta Engineering College, Odisha, AUGUST 2006 - JUNE 2011

PROFESSIONAL SUMMARY

- Extensively worked in the Agile/SCRUM development environment.
- Expert in **Kubernetes** echo system and design pattern (sidecar & singe container pod).
- **AWS** (EC2, EKS, ECR, AMI, IAM, S3, ELBs, RDS, Route53, EFS volume).
- **Tools Developed**: CLI (For Hybrid cloud), Lab Creation (VMware), Tiny URL, IAC(Terraform), Monitoring.
- Slack Bot for messaging, different python Modules for SRE Use case.
- Developed full stack App using python Django application for resource management.
- Developed auto deployment framework with Python, Ansible, Terraform.
- Creates a pipeline for Docker build and pushes the docker image to docker registry.
- Infrastructure automation **Terraform** (Infrastructure as a code).
- Developed Provisioning tool in Python and Salt stack/Ansible.
- Developed Groovy code for **CI/CD** pipeline. (Pipeline as a code).
- Strong hands-on experience in Docker containers. (Creating docker files for different applications).

EXPERIENCE (8+ YEARS)

SENIOR SOFTWARE ENGINEER / WALMART
July-2020 to till now

Created architecture diagram for CI/CD pipeline for both VM & Kubernetes. Maintain and Monitor Grafana dashboard. Developed a CLI to manage Infrastructure (Python). Design branching strategy GitFlow for CI/CD pipeline.

AUTOMATION ENGINEER / RUBRIK INC.
May-2019 to July-2020

Kubernetes implementation in AWS with ingress and API gateway with OAuth2.0. Zero Downtime deployment with rolling upgrade and Blues green deployment. Develop a Full stack application (Python Django, React) to handle resources in VMware. Develop tools with Ansible and Terraform to build infrastructure and Kubernetes clusters from CLI.

SOFTWARE TECHNOLOGIST II / PHILIPS
Oct-2017 to May-2019

Successfully implemented Zero-downtime Continuous Deployment, rolling restart server with Zero-downtime and Automate Server Creation/Configuration and Db migration/Changing db. host in all servers. Setup and Configuration CI tools (Jenkins).

PROGRAMMER ANALYST II / FIS.
Sep-2016 to Oct-2017

Configured and Used GIT in creating the packages, snapshots, branches and tags for developers in version control. Administered all aspects in GIT and troubleshoot with merge conflicts. Creating new jobs in Jenkins and managing the build related issues. Creating fully automated CI build and deployment infrastructure and processes for multiple projects.

SOFTWARE ENGINEER / FLIPKART(TEKSYSTEMS)
Aug-2015 to Sep-2016

Developed python application for monitoring with Django MVC model. Developed Python Rest API for monitoring. Creating CI/CD pipelines by integrating Git, GitHub, Maven, Jenkins, Salt stack, Ansible. Build and deployments of java applications in pre-production and production environments.

SYSTEMS ENGINEER / P9V WEB SOLUTIONS
June-2012 to July-2015

Installing, configuring and maintaining the Linux servers and windows servers in VMware. Maintaining the network environment as well as the health of the network and servers. Setting up and configuring new systems, installing and maintaining the application software and coordinating the N/W connectivity.

PRIMARY SKILLS: Python, Linux, Ansible, Docker, Terraform, Jenkins, Docker-Compose, Kubernetes