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## SOUMYA RANJAN ROUT

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### Email

SOUMYAROUT80@GMAIL.COM

### Phone

+91-9986582209

### LinkedIn

### Portfolio

### GitHub

### Stack Overflow

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### ADDRESS

CG16, Isha Casablanca,  
Panathur, Bangalore,  
Karnataka, 560103, India

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### PRIMARY SKILLS

- Python, Go
  - SAST and DAST
  - AWS, OnPrem
  - Kong API Gateway
  - Docker, Docker-Compose, Kubernetes
  - Packer, Terraform, Ansible
  - Jenkins CI/CD
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### EDUCATION

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#### PG DIPLOMA IN SOFTWARE DEVELOPMENT (FULL STACK)

IIIT Bangalore, India OCTOBER 2019 - OCTOBER 2020

#### BACHELOR OF TECHNOLOGY (ELECTRONICS & INSTRUMENTATION)

Seemanta Engineering College, Odisha, AUGUST 2006 - JUNE 2011

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### PROFESSIONAL SUMMARY

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- Experience with **Data structure, Algorithms and Software Design.**
- Expert in **Kubernetes** ecosystem and design pattern (sidecar & single container pod).
- **AWS** (EC2, EKS, ECR, AMI, IAM, S3, ELBs, RDS, Route53, EFS volume).
- **Tools Developed:** CLI for **Kong**, CLI (For Hybrid cloud), Lab Creation (VMware), Tiny URL, IAC(Terraform), Monitoring.
- Building end-to-end **DevSecOps CI/CD** pipeline with open source **SAST and DAST** tools.
- Developed full stack App using **Python Django** application for resource management.
- Developed auto deployment framework with Python, **Ansible**.
- Creates a pipeline for **Docker** build and pushes the docker image to docker registry.
- Infrastructure automation with **Packer, Terraform** (Infrastructure as a code).
- Developed configuration management scripts using **Salt Stack & Ansible**.
- Developed Groovy code for **CI/CD/CT/CM** pipeline. (**Jenkins** Pipeline as a code).
- Strong hands-on experience in **Docker** containers. (Creating docker files for different applications).



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## EXPERIENCE (7+ YEARS)

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### SENIOR MEMBER OF TECHNICAL STAFF / ORACLE

Jun-2021 to till now

Building infrastructure using Terraform (IAC), Created BDD test framework using Golang. Created CI pipeline for microservice deployment. Automation for DNS A record creation. Design and implement of new region build. Automation using Jenkins.

### SENIOR SOFTWARE ENGINEER / WALMART

July-2020 to Jun-2021

Created architecture diagram for CI/CD pipeline for both VM & Kubernetes. Integrate SAST tool (SonarQube) into a CI/CD pipeline. 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 Kong API gateway with OAuth2.0. Maintain Kong API gateway. Implemented custom python module to interact with Kong, 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. Kong API gateway Setup and Configuration.

### 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 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.