



Bismaya Kumar Sahoo
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Amazon Web Services (AWS) | GCP | Jenkins| Teamcity | Ansible| Chef | Terraform | Continuous Integration (CI) & Continuous Delivery (CD) | Build & Release Management | Configuration Management | Containerization | Docker | Orchestration | Kubernetes | Infrastructure Management | Agile Methodology| MuleSoft (Any point platform)|Guidewire| Jira| service Now| Artifactory|

Professional Career:

- Worked as a DevOps with Cloud Engineer in Deloitte USI, Bangalore from July 2019 to till now.
- Worked as a DevOps Engineer in CGI, Bangalore from Apr 2017 to till June 2019.

Achievements:

- AWS Certified solution Architects- Associate

PROFESSIONAL SUMMARY:

Highly analytical, solutions-based, and results-driven professional with around **5 years** background in IT Industry. Broad Knowledge in System Administration and Software Configuration Management (SCM), Build and Release Management, Continuous Integration and Continuous Deployment using DevOps tools for Infra-Structure Automation, Incident Management for both Public and Private Cloud Services.

- Solid Knowledge in Building servers using **AWS** includes importing necessary volumes, launching **EC2** instance, **S3** for object static web pages and created **security groups, auto scaling, load balancer, Route 53**, and **SNS** as per the architecture.
- Hands-on experience in implementation, architecture, and design with a strong background in **Cloud IaaS/PaaS/SaaS, Private/Public clouds**.
- Hands-on experience in building serverless architecture using **Lambda and S3 bucket**.
- Extensive experience in **cloud-formation** for building, changing, and versioning of Infrastructure and wrote Templates for **AWS infrastructure** as a code using **cloud-formation** to build staging and production environments.
- Experience in setting up Docker environments **Docker Daemon, Docker Client,**

- **Docker Hub, Docker Registries, Docker Compose** and handling multiple images.
- Extensive experience in installing, configuring, and administering **the Jenkins CI** tool on Linux machines.
- Having good experience in creating deployment pipeline using AWS DevOps tools such as Code Commit, Code Build and Code Deploy.
- Expert in Cloud Technologies like Amazon Web Services (**AWS**) **VPC, EC2, ELB, Auto-Scaling, S3, IAM, RDS, Cloud Watch** and Elastic cache.
- Experience in setup and manage scalable **RDS (Amazon Aurora)** in AWS environment.
- Having good experience in data warehouse solution using Amazon Redshift.

TECHNICAL ACUMEN:

Public Cloud Platform	AWS, GCP
CI/CD	Jenkins, TeamCity, AWS Code Build and Code Deploy.
Configuration Management	Ansible, Chef
Infrastructure as a code	AWS CloudFormation
Source Code and Repositories	Git, GitHub and AWS Code Commit
Security and Encryption Tools	AWS IAM, AWS KMS
Containerization and orchestrations tools	Docker, Kubernetes, AWS ECS, AWS EKS
Logging and Altering	AWS CloudWatch , SNS, Dynatrace, Zabbix
Build Tools	Maven
Operating system	Linux and Windows
Database	Amazon Aurora and RDS
Ticketing Tools	HP Service manager and Service Now
Scripting Language	Unix Shell scripting, XML, JSON, Yaml, Python

PROFESSIONAL EXPERIENCE:

Working for Deloitte Consulting India Pvt Ltd.

July 2019 to present

Role: DevOps Engineer

Responsibilities:

- Experience in environment set-up in AWS (Amazon web services). Creating new accounts for Users, Groups and added users to different groups through IAM.
- Build servers using AWS: launching **EC2, RDS, S3, IAM, VPC**, creating security groups, auto-scaling, load balancers (ELBs) in the defined virtual private connection.
- Experience in creating cross-zone load balancing and creating vpc-peering between multiple regions.
- Having good experience in deploying Web Application using elastic beanstalk.
- Having good experience in creating docker-file, docker-compose file for setting up environment for Dev, QA, UAT, Production.
- Created detailed **AWS** Security groups which behaved as virtual firewalls that controlled the traffic allowed to reach one or more AWS EC2 instances.
- Managing of **S3** life cycle with **IA-S3** and **Glacier**.
- Administering & setting up Security groups & **VPCs** specific to environment. Setting up VPC and its components: Internet Gateway, **Network ACL**, Security Group, Subnet and **Route Table**.
- Managing private and public subnet in AWS cloud as per the request. Configured

NAT Gateway in AWS.

- Worked on **Docker container** attaching to a running container, removing images, managing directory structures and managing containers.
- Automating the Build Infrastructure for deploying services in a dockerized environment using **Jenkins**.
- Good Experience in setting up SonarQube on docker platform for checking the code quality.
- Expert in using **GIT** and its various commands. Also, integrated GIT with **Jenkins** & build tools like **ant, maven**. I have also used **GIT** flavors like **GitHub, GitLab**. I have a very good experience in implementing various branching strategies.

CGI India:

Role: Cloud-DevOps Engineer

April 2017 to

June 2019

Responsibilities:

- Built highly available and scalable infrastructure for the production environment using **EC2 launch configurations, auto-scaling policies** based on **CPU Utilization** for web and app servers.
- Converted existing **AWS infrastructure to server-less architecture** (AWS Lambda)
- Migrated data from Datacenters and on-premises to Cloud using AWS Import/Export
- Used **IAM** to assign roles, to create and manage **AWS users, groups, and permissions** to use AWS resources. And Setup specific **IAM profiles** per group utilizing newly released **APIs** for controlling resources within **AWS** based on group or user.
- Involved in Architect, build and maintain Highly Available secure multi-zone **AWS** cloud infrastructure with **AWS CloudFormation** and **Jenkins** for continuous integration.
- Configured and Installed **Docker** using **Docker** toolbox, creation of custom **Docker container images**, tagging and pushing the images, removing images, and managing Docker volumes.
- Configured applications that run **multi-container Docker** applications by utilizing the **Docker-Compose** tool.
- Built upstream and downstream jobs in **Jenkins** to build and deploy onto different environments, worked with **Jenkins CLI**, manage plugins and Jenkins file.
- Implemented Jenkins and Created **SonarQube** reporting dashboard to run an analysis for every project.
- Provisioned the highly available **EC2** instances using **Terraform** and **CloudFormation** templates, wrote new plugins to support new functionality in Terraform and involved in using terraform **migrate** legacy and monolithic systems to **Amazon Web Services**.
- Building S3 buckets and managing policies for S3 buckets and used S3 bucket and glacier for storage and backup on AWS.
- Created detailed AWS Security groups which behaved as virtual firewalls that controlled the traffic allowed to reach one or more AWS EC2 instances.
- Deploying reliable DB using Multi-AZ.

ACADEMIC DETAILS:

B. Tech (bachelor technology) from BPUT University, Odisha in 2016.

PERSONAL DETAILS:

Fathers Name: Baikuntha Nath Sahoo

DOB: 14/07/1994

Languages Known: Odia, Hindi, English