

Alok Ranjan

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EXPERIENCE

IAURO SYSTEMS PVT. LTD. | ASSOCIATE DEVOPS ENGINEER

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- Working as Associate DevOps Engineer, I am responsible for creating a cluster of applications and tools on **AWS EKS** which consist of different micro-services, databases, monitoring tools and data visualization tools.
- Developed **Jenkins pipeline** scripts for seamless deployment, ensuring timely efficient delivery of micro-services, tools etc.
- Implemented Infrastructure as Code (IaC) principles using Terraform to provision **EKS clusters, EC2 instances, and S3 buckets**, reducing manual intervention and time.
- Deployed and configured monitoring tool such as **Prometheus and Grafana** to effectively identifying and mitigating performance bottlenecks.
- Automated database backups for **MongoDB and PostgreSQL** using shell scripts, enhancing data integrity and disaster recovery capabilities.
- Contributed to the development of Helm charts to facilitate the deployment of micro-services, streamlining the release process and enabling rapid scaling.

PROJECTS

GESSA

- Created and maintained automated CI/CD Jenkins pipelines for seamless deployment of micro-services on Kubernetes, resulting in reduced deployment time.
- Utilized Jenkins pipelines to efficiently deploy various tools, including **[MongoDB, PostgreSQL, Keycloak, Grafana, etc]**, ensuring consistent and reliable software delivery.
- Created CD pipeline using **ArgoCD** to continuously monitor and update the state of Deployments which are on EKS.
- Reduced the deployment time from **1 day to 30 minutes** using CI/CD pipelines.
- Monitored micro-services, EKS cluster and tools performance using Prometheus and Grafana, setting up automated alerts and notifications for timely issue resolution.
- Authored shell scripts for scheduled data dumps, ensuring data integrity and minimizing data loss risks.
- Collaborated with Dev and QA team to track , mitigate security and speed up the workflows.

SOLARSQUARE

- Deployed Kubernetes Clusters on AWS using Jenkins and Terraform and wrote many yaml files to create services like Pods, Deployment, Statefulsets, health checks etc.
- Worked with Version Control, Build and Release Management and Deployments of the Solutions to the **DEV,STAGING,PRODUCTION Environments**.
- Implemented tools like MongoDB, PostgreSQL, Keycloak, and Grafana deployments using YAML files and Helm charts, streamlining the provisioning process.

SKILLS

PLANNING/TRACKING

- Atlassian Jira

CLOUD PROVIDERS

- AWS

CI/CD TOOLS

- Jenkins • ArgoCD

MONITORING TOOL

- Grafana • Prometheus • ELK

DATABASES

- MongoDB • PostgreSQL

CONTAINERIZATION ORCHESTRATION

- Docker • Kubernetes

VERSION CONTROL TOOL

- Git • BitBucket

SCRIPTING LANGUAGE

- Python • Shell

CONFIGURATION MANAGEMENT TOOL

- Terraform

Familiar:

- MySQL • Ansible • Java • Skywalking • Azure • GCP

EDUCATION

B.TECH | UPTU, GHAZIABAD UP

July 2011 - July 2015

Mechanical Engineering | 60.06

COURSES &

CERTIFICATIONS

- DevOps Master Class - Terraform Jenkins Kubernetes Docker, Udemy
- DevOps Training