

Ulagaraja J

Phone : 9080882406 Mail : ulagaraja184@gmail.com

LinkedIn : linkedin.com/in/ulagaraja

DevOps Engineer with expertise in building scalable, secure, and highly available infrastructure. Skilled in automating deployments, optimizing performance, enhancing security, and resolving production issues. Strong collaborator with a focus on driving innovation and efficiency across teams.

SKILLS

Cloud Providers: Amazon Web Services , Google Cloud Platform

CI CD Pipelines : Jenkins, Bitbucket, ArgoCD

Distributed Systems : Apache Pinot, Apache Kafka, Elasticsearch

Tools : Github, Prometheus, Grafana, Postgres, Redis, Nginx

Others: Docker, Kubernetes, Terraform, Linux, Networking, Javascript, Python

EXPERIENCE

Simpleenergy

Bangalore

Software Development Engineer - Devops

Aug 2023 - Present

- Established DevOps practices from the ground up in a multi-cloud environment, AWS and GCP.
- Implemented CI/CD pipelines using Jenkins, leveraging declarative pipeline blocks and optimizing plugin usage.
- Designed and delivered an internal tool to enable versioning based deployments integrated with GitOps principles, utilizing Argo CD.
- Directed the secure and reliable flow of vehicle data to clients in database, employing Apache Pinot (OLAP datastore).
- Worked extensively with Apache Kafka to enable real-time streaming and processing for high-throughput applications.
- Replaced Google Logging with custom log pipeline using ELK stack(Elasticsearch, Filebeat, Kibana) to optimize billing.
- Maintained Helm charts for repeatable and scalable deployments (Prometheus, Grafana, Kafka, Pinot, etc).
- Successfully migrated all applications from AWS to Google Cloud and vice versa, ensuring zero downtime.
- Implemented RBAC across Kubernetes clusters and Cloud providers to prevent unauthorized cluster-level access.
- Experienced in Terraform for GCP, implementing a module-based approach to build scalable, reusable, and efficient cloud infrastructure automation.
- Developed a billing pipeline in AWS to query cost usage based on products and services using Athena, CUR, and Glue.
- Implementing SecOps practices using Cosign for Docker image signing and OPA Gatekeeper for policy enforcement in Kubernetes clusters.
- Provided developer support for Kafka Pub/Sub protocol by writing scripts for topic creation, partition management, and consumer-producer operations.

Codingmart Technologies

Bangalore

Product Engineer

Jul 2022 - Jun 2023

- Automated the deployment and management of services using PM2 for process management and bitbucket pipelines for CICD.
- Configured NGINX as a reverse proxy to route traffic efficiently, enforce web security, and manage SSL certificate issuance.
- Deployed and orchestrated microservices using MicroK8s, a lightweight and self-managed Kubernetes distribution, to simplify cluster management and cost.
- Monitoring and optimizing application performance using Elastic APM.
- Effectively utilized Bitbucket Pipelines to automate and streamline deployment processes.
- Configured new DNS mappings in Azure DNS for domain management and resolution.
- Successfully managed and delivered static content using Amazon S3 and AWS CloudFront integrated with strapi for high availability and performance optimization.

PROJECT

2HUB (Tourism Based Project)

- Containerized applications using Docker and orchestrated workloads with Kubernetes for deployment and management.
- Experienced with Kubernetes tools such as kubeseal, kubectx, and kubecost for secret management, context switching, and cost optimization.
- Secured environment variables for Kubernetes deployments using HashiCorp Vault, AWS Secrets Manager, and other secret management solutions.
- Implemented application monitoring and observability tracing using Application Performance Monitoring (APM) tools for enhanced performance insights and issue detection.
- Deployed the entire application using Bitbucket Pipelines and managed execution with Bitbucket Runner for streamlined CI/CD workflows.

EDUCATION

Bachelor of Engineering

Rajalakshmi Engineering College