

BHARATH KUMAR R

DevOps Engineer

Skilled DevOps engineer with 3+ years of experience in various DevOps tools and hands-on experience in CI/CD automation, optimizing mission critical deployments, leveraging configuration management and other DevOps processes. Skilled, knowledgeable, and capable of automating the entire DevOps pipeline, including application performance monitoring, CI/CD cycles, infrastructure and configuration management.

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WORK EXPERIENCE

Software Engineer

GlobalLogic India Pvt Ltd.

03/2021 - 04/2022

Achievements/Tasks

- Created and Maintained pipelines for code checkout to delivery using Jenkins.
- Worked with the team in migrating from IBM ClearCase to GIT and Gerrit as version control system.
- Troubleshooting problems with respect to Builds/Pipelines and Security related issues.
- Collaborated with Developers and Operations team to improve automation of workflows, code testing and deployments.
- Identified and resolved software defects in C/C++ codebase to improve product performance and reliability.

DevOps Engineer

GlobalLogic India Pvt Ltd.

04/2022 - Present

Achievements/Tasks

- Built CI/CD pipelines based on GIT, Jenkins, Docker, Kubernetes, Argo CD, Prometheus and Grafana in an automated way to deploy the new code (for new features) to production.
- Have good knowledge and hands-on experience with AWS services such as EC2, S3, EKS, IAM, VPC, RDS, EBS, etc...
- Built AWS Infrastructure with various services such as VPC, EC2, S3, IAM, RDS, etc., using Hashicorp Configuration Language (HCL) in Terraform.

PERSONAL PROJECTS

Reddit-Clone Project: End-to-End DevOps Implementation

- Infrastructure Provisioning : Implemented Terraform scripts to provision an EC2 instance on AWS and configure it as a centralized platform for Jenkins, Docker, Trivy and SonarQube.
- Implemented Jenkins for continuous integration and continuous deployment (CI/CD) pipelines, enabling automated builds, testing, and deployments.
- Integrated Trivy, a comprehensive vulnerability scanner, to analyze Docker images and SonarQube to perform static code analysis to identify potential security vulnerabilities and to maintain high code quality.
- Containerized the application using Docker and Deployed the containerized application on the EKS cluster and used Helm, the package manager for Kubernetes, to streamline the deployment and management of the application and its dependencies on the EKS cluster
- Implemented Prometheus and Grafana for comprehensive monitoring and alerting, collecting metrics from various components of the application, infrastructure and enabling proactive identification and resolution of issues.
- Integrated ArgoCD, a declarative continuous delivery tool, to automate the deployment and synchronization of the application across multiple environments (e.g., staging, production).
- Implemented email notifications to keep stakeholders informed about the status of builds, deployments, and any issues or failures encountered during the CI/CD process.

TECHNICAL SKILLS

Source Code Management - GIT/Gerrit, GitHub, GitLab

Configuration Management - Ansible

Continuous Integration - Jenkins, GitLab

Containerization - Docker

Container Orchestration - Kubernetes with Helm

Continuous Monitoring - Prometheus and Grafana

Infrastructure as Code - Terraform

Cloud platforms - AWS

Scripting - Shell scripting, Python

SOFT SKILLS

Teamwork

Problem-solving

Time management

Communication & Adaptability

EDUCATION

Bachelor of Engineering in Electronics and Communication (04/2016 - 04/2020)

Sri Ramakrishna Institute of Technology

LANGUAGES

English - Full Professional Proficiency

Tamil - Full Professional Proficiency

Kanada - Native or Bilingual Proficiency

INTERESTS

Automation

AI

Data Science