

# BHARATH KUMAR R

DevOps & Cloud Engineer with 7.6 years Experience

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## Professional Summary

A professional with a total of 7.6 years of DevOps experience encompassing detailed technical knowledge and hands-on experience of development operations, automation and configuration management. Extensive experience in the design and implementation of Continuous Integration, Continuous Delivery, Continuous Deployment pipelines and SRE practices.

## Skills

### Operating Systems

UNIX, Linux, Windows

### Version Control Tools

GIT, GITHUB

### Build Management Tools

Maven, ANT, Makefile

### Scripting Languages

Shell/Bash Scripting, Groovy scripting

Python [Basic]

### Application Servers

Apache Tomcat

### Continuous Integration Tools

Jenkins, ArgoCD

### Infrastructure As Code Tool

Terraform

### Web Server

Apache HTTP

### Bug Tracking Tool

Jira

### Configuration Management Tool

Ansible

### Cloud

AWS, Azure [Basic]

### Containerization

Docker, Kubernetes

### Monitoring Tools

Prometheus, Grafana, ELK Cluster [Kibana]

### Other Tools

Helm Charts, SonarQube, Artifactory

## Work History

### Opt IT, Bengaluru- India

Senior DevOps Engineer, 02/2024 to 08/2024

- Develop, execute, and maintain the framework for the project, including deploying Java-based applications to an EKS cluster using Kubernetes, Docker, and AWS services.
- Create and maintain automated pipelines for code building and deployment using tools like Jenkins, Maven, and GitHub/Bitbucket.
- Write and maintain infrastructure as code (IaC) using tools like Terraform and Ansible to automate AWS resource allocation.
- Continuously monitor and optimize application and infrastructure performance, taking necessary measures to improve efficiency.
- Collaborate with various teams (QA, product, infrastructure) to align the project with requirements and standards.
- Manage and configure the continuous integration and continuous deployment (CI/CD) pipeline for testing, integration, and code deployment.

- Wrote Shell scripts and Ansible playbooks for daily maintenance and to automate repetitive tasks.
- Working with JFrog artifactory repository to store artifact versions
- Monitor system logs and metrics to identify and address performance issues, bugs, or security vulnerabilities

### **Informatica, Bengaluru- India**

DevOps & Cloud Engineer, 08/2023 to 02/2024

Client - Retail Domain

- Developing, executing, and upholding the underlying framework for the undertaking, encompassing the deployment of Java-based applications to an EKS cluster via the utilization of Kubernetes, Docker, and AWS services.
- Actively participated in troubleshooting, rolling updates and rollbacks of the deployments using Kubernetes.
- Extensively worked on AWS Services like EC2, VPC, CloudWatch, Cloud Trail, Lambda, RDS, IAM, S3, Load Balancer etc which are used in the project.
- Created multiple Terraform modules to manage configuration, application, services and automated installation process of applications.
- Used JIRA for Agile project management activities and Bug tracking.
- Implemented CI, CD using Jenkins and Configuration management using Ansible for the projects.
- Performed continuous Build and Deployments to multiple environments like Dev, QA, UAT and Production.
- Managing and Provisioning of cloud resources using Terraform configuration files.
- Wrote Ansible Playbooks to automate the configuration of AWS resources.

### **Wipro Limited Technologies, Bengaluru - India**

Senior Engineer, 06/2021 to 08/2023

Client - HDFC Bank

- Installing and updating the Jenkins plug-ins to achieve the CI/CD.
- Managing the working environments through configuration management tool, Ansible.
- Working on Ansible Modules to bring the required infrastructure changes.
- Associating with the Build & Release team to set up Jenkins server & nodes for distributing the Jenkins jobs.
- Using the JFrog Artifactory repository to store the artifact versions.
- Experienced in container technology Docker and container orchestration tool Kubernetes.
- Setting up EC2 instances and prerequisites on the instances for deploying the applications.
- Monitored automated build and continuous software integration process to drive build/release failure resolution.
- Worked with cross-functional design teams to create software solutions that improved overall functionality and performance.
- Applied automated testing solutions for unit, integration and system testing.
- Managed AWS assets and integrated multiple AWS resources into solutions appropriate for company projects.

### **Informatica, Bengaluru - India**

DevOps & Cloud Engineer, 03/2018 to 03/2021

Client - Retail Domain

- Creating and sustaining automated pipelines for building and deploying code by leveraging tools such as Jenkins, Maven, and GitHub/Bitbucket.
- Collaborating closely with development teams to ensure timely and efficient construction and deployment of code alterations, while upholding superior standards and minimizing operational disruptions.
- Composing and maintaining infrastructure as code (IaC) through the utilization of tools like Terraform and Ansible to automate the allocation of AWS resources.
- Investigating and resolving challenges associated with infrastructure, applications, and deployments.
- Continuously overseeing and optimizing the performance and availability of both applications and infrastructure, taking necessary measures to enhance their efficiency.
- Establishing and preserving comprehensive documentation on infrastructure, deployments, and processes, ensuring the transfer of knowledge and long-term maintainability.
- Collaborating with various teams, like QA, product, and infrastructure teams, to ensure that the project aligns with requirements, objectives, and standards.
- Managing and configuring the continuous integration and continuous deployment (CI/CD) pipeline to ensure thorough testing, integration, and reliable deployment of code changes.
- Monitoring and analyzing system logs and metrics to identify and address performance issues, bugs, or security vulnerabilities.
- Implementing and maintaining a robust disaster recovery strategy to ensure uninterrupted business operations in the face of unexpected events or failures.

## **Hinduja Global Solutions Ltd, Bengaluru - India**

System Engineer, 06/2016 to 10/2017

Client - Healthcare Domain

- Constructing and deploying large-scale Java web applications, with a focus on creating highly available and responsive systems.
- Proficiency in container orchestration systems, such as AWS ECS or Kubernetes, for streamlined management of application containers.
- Implementing server automation using tools like Terraform, Ansible, or other configuration management solutions.
- Managing daily builds and releases to the quality assurance (QA) environment, actively troubleshooting build failures, and collaborating with developers and QA professionals to resolve related issues.
- Creating patches and releasing them to developers for seamless integration of bug fixes or updates.
- Configuring and scheduling cron jobs for optimized resource utilization and releasing job loads to developers.

## **Education**

MBA - G.T Institute of Management Studies & Research - Bangalore University Education - Bangalore

BBM - G.T Institute of Management Studies & Research - Bangalore University Education - Bangalore

PUC - Krupanidhi PU College - Pre-University Education - Bangalore

SSLC - Baldwin Indian High School - Karnataka Secondary Education Board - Bangalore