# BHARATH KUMAR R

DevOps & Cloud Engineer with 7.5 years Experience

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## Professional Summary

A professional with a total of 7+ years of DevOps experience encompassing detailed technical knowledge and hands-on experience of development operations, automation, 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

**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

**Containerization**
Docker, Kubernetes

**Monitoring Tools**
Prometheus, Grafana, ELK Cluster [Kibana]

**Other Tools**
Helm Charts, SonarQube, Artifactory

## Work History

**Optit Pvt.Ltd** – Bengaluru, India DevOps & Cloud Engineer, 06/2024 to Aug
Client – FrontM , AccentHR.

- Deploy web and microservices applications through **GitHub Actions**, ensuring **CI/CD** pipelines are optimized and troubleshooting any issues that arise.
- Create and manage **AWS EKS** clusters end-to-end using **Terraform** for streamlined infrastructure as code.
- Provide the development team with access and guidance on **AWS, GitHub**, and other essential tools required for efficient project delivery.
- Deploy static websites using **AWS S3**, integrate **CloudFront** for **CDN**, and manage **DNS** routing through **Route 53**.
- Leverage **AWS Amplify** to deploy **ReactJS** applications, ensuring seamless end-user access and performance.
- Build and deploy microservices applications, particularly those utilizing **Node.js.**
- Use **ClickUp** for ticketing, task management, and maintaining agile workflows within development cycles.
- Write **Dockerfiles** and **YAML** configurations for **containerized** deployments and orchestration in **Kubernetes.**
- Work extensively with **AWS** services like **EC2, VPC, CloudWatch, CloudTrail, Lambda, RDS, IAM, S3, Load Balancer, DynamoDB**, and **Auto Scaling** to manage infrastructure and resources effectively.
- Use **Logz.io** for monitoring, logging, and observability to ensure system reliability and performance.


**Visionary Software Systems India Pvt.Ltd** – Bengaluru, India
DevOps & Cloud Engineer, 08/2023 to February
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.
- Responsible for automating operational tasks, taking EBS snapshots, removing unused AMI's.
- Used **JIRA** for Agile project management activities and Bug tracking.
- Created and maintained build scripts using Maven to perform builds efficiently on **Jenkins Pipelines.**
- Implemented CI, CD using **Jenkins** and Configuration management using **Ansible** for the projects.
- Knowledge on writing a **Docker** file and further optimizing the docker image size using multi stage builds.
- Performed continuous Build and Deployments to multiple environments like Dev, QA, UAT and Production.
- Configured and maintained **Jenkins** to implement the CI process and integrated the tool with **Maven** to schedule the builds.
- Managing and Provisioning of cloud resources using **Terraform** configuration files.
- Automated AWS resource provisioning using **Terraform** Infrastructure as a Code tool.
- 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 setup Jenkins server & nodes for distributing the **Jenkins jobs.**
- Using the **JFrog** Artifactory repository to store the artifact versions.
- Performing the regular tasks that include cloning, pulling and pulling the repositories, branching and merging.
- 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.
- Wrote **Shell** scripts and **Ansible** playbooks for daily maintenance and to automate repetitive tasks.

**Visionary Software Systems India Pvt.Ltd** – 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.
- Adhering to software configuration management (SCM) practices, including efficient branching and code merging.
- Proficiency in container orchestration systems, such as AWS ECS or Kubernetes, for streamlined management of application containers.
- Expertise in server-side technologies, including Apache Tomcat and Nginx, to facilitate efficient and secure application hosting.
- Implementing server automation using tools like Terraform, Ansible, or other configuration management solutions.
- Performing in-depth analysis of application logs to identify potential issues and promptly reporting errors to the development team.
- 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.
- Taking responsibility for tagging and maintaining code on version control systems like GIT.
- Ensuring timely readiness of applications, reports, and scripts for scheduled releases.
- Resolving application-related issues through careful examination of logs and performing necessary troubleshooting.

## 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