



# BHARATHKUMARRAJU DASARAJU

SENIOR SITE RELIABILITY ENGINEER – ADVANCE.AI, SINGAPORE

## ONLINE

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## CONTACT

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## SUMMARY:

Over **12** years of IT experience specializing in **DevOps** and **Cloud Computing** within mission-critical environments across diverse industries, including Streaming, Aviation, Telecommunications, Financial, and GPS.

Demonstrated expertise in developing and implementing robust DevOps practices, with a keen focus on **analytics, design, and problem-solving**.

Designed and deployed a fully automated, **containerized** elastic stack solution for **advanced log aggregation and data analytics**.

A track record of leading the development of highly successful projects, emphasizing design, implementation, **automation, and CI/CD pipelines for real-time** and low-latency applications.

Worked on **the GCP environments from Initial staged of Projects creation, network design** using shared-vpc until deploy the applications in the GKE Managed Cluster.

Worked on the centralized observability monitoring solutions for the applications using CNCF tools, running in both GKE and EKS using **Prometheus-thanos**, for metrics, **Loki-Promtail** for logging, **tempo** for tracing and **Grafana dashboard automation** for visualization.

Extensive experience in **AWS EKS Fargate** and **Helm chart development**, enhancing operational efficiency and scalability in cloud-native environments.

## TECHNICAL PROFILE:

### Cloud Platforms:

AWS Cloud (including EKS Fargate)  
Google Cloud Platform  
Microsoft Azure

### Infrastructure as Code (IaC) and Configuration Management:

Ansible  
Terraform

### Continuous Integration and Continuous Deployment (CI/CD):

Git  
ArgoCD  
GitHub Actions

### Containerization and Orchestration:

Kubernetes (Certified Kubernetes Administrator)  
Docker  
Helm Charts for package management

### Secrets Management:

HashiCorp Vault  
AWS Secrets Manager (with Python Boto SDK for secret fetching)

**Logging and Monitoring:**

Elastic Stack (Elasticsearch, Kibana, Logstash, Filebeat, Metricbeat)

Functionbeat for serverless log shipping

Loki-Promtail

**Metrics and Tracing:**

Prometheus-thanos

Tempo,Zipkin for tracing

Grafana for Visualization

**Programming and Scripting:**

Python (including usage of Boto SDK for AWS services)

Shell Scripting

**Certifications:**

AWS Solution Architect, Google cloud professional architect, Terraform certified professional, Certified kubernetes administrator

**EXPERIENCE:**

<b>Cloud-kinetics</b>	Worked on Containerizing the applications running on AWS EKS Fargate, deployed using fluxCD gitops deployment.
Singapore(2023)	Worked in the centralized monitoring solution for applications running in EKS cluster using prometheus,grafana.
<b>Advance.ai</b>	Worked on ArgoCD gitops approach to deploy containerized apps to GKE clusters.
Singapore(2022)	Deployed Microservices Using Helm charts in the GKE cluster &managed secrets in HCV Designed entire Infrastructure/networking for Safi Bank in GCP using terraform. Developed CICD through GitHub Actions. Used ARGOCd as a CD tool with ISTIO-mesh
<b>Singtel</b>	Automated the AWS account creation using AWS lambda , SNS and SES under AWS Organizations.
Singapore(2021)	Automate the infrastructure using pulumi in google cloud using python programming with TDD. Deploying the containerized apps in both AWS and GoogleCloud using CICD with GHA.
<b>NTUC</b>	Dockerized the applications and moved them from GCE VMs to cloud run serverless in Google cloud.
Singapore (2020)	Implemented IAC(Infrastructure As a Code) using terraform for google cloud. Implemented CICDPipeline using Bitbucket pipelines to promote deployments seamlessly.
<b>HOOQ TV</b>	Automated AWS Cloud deployments and builds using the github actions.
Singapore (2019-2020)	Implemented IAC(Infrastructure As a Code) using terraform for AWS cloud where dockerized apps are running. Working on openshift container platform to move legacy apps to k8s.
<b>SingaporeAirlines,</b>	Implemented CICD pipeline using AWS codecommit, codebuild and codedeploy.
Singapore(2019)	Worked in sourced consumables and implemented custom resources in AWS CFT.
<b>Delivion GmbH,</b>	Automated Bamboo deployments and builds using the Bamboo specs.
Essen,Germany (2018-2019)	Implemented automated backup solution for complex applications. Worked in k8s setup using kubespray and federated Prometheus monitoring for the k8s cluster and apps.
<b>Standard Chartered,</b>	Automated complex webmethods provisioning using ansible with Jenkins CICD.
Chennai, India (2016-2018)	Implemented Centralized log aggregation/Analytics using Elastic Stack. Worked in Openshift container platform.
<b>Trimble,</b> Chennai, India (2014-2016)	Worked on Immutable automated deployments using Cliqr. Created Development, QA, Stage, Production stacks & maintained them securely using robust VPC design. Automated resource cleanup using AWS Lambda as part of cost saving effort. Implemented infra,application monitoring using datadog and logging using sumologic.
<b>Hewlett-Packard</b> India(2011-1014)	Administered DHCP,DNS, LDAP, AD and NFS services on RHEL in Development/Production environments. Automated the apache/tomcat web/app applications installation and configuration using shell scripts. Supported the tomcat/jboss applications running on unix/linux servers.

EDUCATION:

<b>MCA-Post Graduation</b> (Jun2007-Jun2010)	Information System and Computer Science. UNIX Networking, Java, Information Systems, information security, e-business
<b>BSC- Graduation</b> (Jul2004-May2007)	Mathematics, Physics, Chemistry Courses: Applied Mathematics, Organic Chemistry, Atomic Physics

**LANGUAGES:**       Fluent in English, Telugu, Tamil, Hindi, German.

**INTERESTS:**       Technology trends and news, travelling, football, movies.