

# Murali Krishna KV

## DevOps Engineer

A competent professional with expertise in leading and contributing to projects implementing technology transition and cutting edge methodologies to enhance end-user productivity profitability by ensuring optimal utilization of resources at lower costs; targeting assignment is **Cloud-DevOps Architecture**

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### LOCATION

Hyderabad,  
India



## PROFILE SUMMARY

- ❖ A result-oriented professional offering **over 6+ years** of experience in **Cloud-DevOps Architecture** and **Linux Administration**
- ❖ Good knowledge of Kubernetes, Terraform, Jenkins, Ansible, Docker, Linux Administration as well as exposure to Power BI and MySQL
- ❖ Designed and implemented branching strategies, CI/CD pipelines, build and release activities with agile mindset
- ❖ Insightful understanding of **DevOps** including design, architecture and implementation of next generation system architecture & automation solutions; **good expertise in DevOps best practices** with Terraform, Configuration Management, Automation
- ❖ Expertise in managing **Software Development Lifecycle (SDLC)** right from requirement analysis, documentation, coding & testing to maintenance of proposed applications
- ❖ Contributed in **managing end-to-end project planning & implementation from scope management, to activity sequencing**, effort & cost estimation, risk analysis to quality management in line with the guidelines & norms
- ❖ Diligently oversee the In and Outflow of Data Center Operations Requests for IT Service Management (RITM), managing a spectrum of RITM's for Data center Access, Decommissioning, New installations, Cabling additions & changes, Troubleshooting, Visual inspections, and Physical reboots. Maintain a streamlined workflow to ensure the efficient execution of all operations within the data center environment
- ❖ Experience in managing problems related to the services offered, communicating with external customer & internal stakeholders for incidents reporting and prompt resolution by service desk
- ❖ Capable of handling multiple tasks, working effectively both independently and in teams to meet deadlines and achieve organizational goals



## TECHNICAL SKILLS

- **Operating Systems:** Linux (RHEL & Ubuntu) ; Windows
- **Monitoring tool:** Nagios, Prometheus
- **Project Management:** Jira
- **Cloud:** AWS (IAM, VPC, EC2, S3, EKS, ECR, Route 53, SNS)
- **Scripting:** Bash
- **Ticketing tool:** Service Now (SNOW)
- **DevOps tools:** Terraform, Docker, Kubernetes, Jenkins, Ansible
- **Databases:** MySQL (Basic knowledge)
- **Visualization:** PowerBi



## CORE COMPETENCIES

- CI/CD Set-up & Process
- Cloud DevOps Automation
- DevOps Build and Release
- Requirement Analysis
- Team Building & Leadership



## EDUCATION



MBA in Human Resources Management from Osmania University, Hyderabad, Telangana



## SOFT SKILLS

- ❖ Communication and Collaboration
- ❖ Innovative and Intuitive
- ❖ Strategic Problem Solving



## WORK EXPERIENCE

**December' 2022 – November' 2023 | TCS** in Chennai as **DevOps Engineer** (Under Foraysoft Payroll)

### Key Result Areas:

- ❖ Worked with team that is engaged in Cloud DevOps automation for Data Center Operations.
- ❖ Worked in On-premise and AWS Cloud environment as well as managing services as a platform.
- ❖ Installing Jenkins with HA and formulating the Jenkins end-to-end pipelines
- ❖ Interacting with the different teams; monitoring the Data Center Decommissioning progress; checking the tickets or any issues as well as using JIRA and ServiceNow (SNOW) to raise the incidents
- ❖ Diligently oversee the in and outflow of Data Center Operations Requests for IT Service Management (RITM)

## PROJECT UNDERTAKEN

**Title:** DevOps Engineer

**Account:** Depository Trust & Clearing Corporation (DTCC)

**Duration:** 12 Months

**Team size:** 7

**Environment:** DevOps on AWS-Cloud (AWS Cloud, Kubernetes, Jenkins, Terraform, Ansible, GitHub)

**Process:** Agile Methodology, PowerBi Dashboards, Jira (Service Management), ServiceNow (Ticketing Tool)

### Key Result Areas:

- ❖ Deployed and monitored scalable infrastructure on AWS (IAM, VPC, EC2, S3, EKS, ECR, Route 53, SNS), using Terraform for Infrastructure management and automation
- ❖ Designing DevOps CI Pipeline; developing the architecture for Data Center Operations decommission, to process and monitor the data and infrastructure
- ❖ Deploying the applications to Kubernetes (EKS) as microservices
- ❖ Implementing configuration management using Ansible; building and designing the architecture for Cloud Migration Project
- ❖ Creating network configurations on Cloud as well as implementing the DevOps method for faster delivery and automation
- ❖ Maintained backups of Jenkins builds and Docker images in AWS ECR and S3, and managed EBS volume backups and restores
- ❖ Collaborated with developers and build/release teams to set up Jenkins servers and nodes, resolving build issues
- ❖ Monitored AWS resources with CloudWatch, setting alarms for notifications and automated actions
- ❖ Managed server and network infrastructure using Prometheus
- ❖ Utilized SCM tools Git and GitHub for version control, creating and implementing branching and merging strategies
- ❖ Interacting with the different teams using Slack Channel; monitoring the progress; checking the tickets or any issues as well as using JIRA to raise the incidents

### Additional Responsibilities:

- ❖ Diligently overseen the In and Outflow of Data Center Operations Requests for IT Service Management (RITM), managing a spectrum of RITM's for Data center Access, Decommissioning, New installations, Cabling additions and changes, Physical reboots, Troubleshooting, Visual inspections, and. Maintain a streamlined workflow to ensure the efficient execution of all operations within the data center environment
- ❖ Maintained the Configuration Management Database (CMDB) for accurate documentation and tracking of configuration items
- ❖ Managed the Decommissioning process for Data Centers. ensuring data integrity and compliance with federal data handling laws

**July' 2017 – November' 2022 | Dharma IT Solutions** in Hyderabad as **DevOps Engineer & Linux Administrator**

### Key Result Areas:

- ❖ Managed services in AWS Cloud and transitioned from Linux Administration to the DevOps team
- ❖ Swift resolution of daily user-reported problems and incidents identified by the Event Monitoring System
- ❖ Installing Jenkins with HA and formulating the Jenkins end-to-end pipelines
- ❖ Developing and automating and Monitoring data pipelines
- ❖ Combining Jenkins pipeline with Ansible; deploying Playbooks to Linux servers
- ❖ Methodical verification and resolution of system error logs
- ❖ Client-focused system maintenance tailored to specific requirements
- ❖ Precision in scheduling automatic tasks through Crontab and AT Jobs

## PROJECT UNDERTAKEN

**Title:** DevOps Engineer & Linux Admin

**Client:** Allstate

**Duration:** 5 Years 4 Months

**Team size:** 11

**Environment:** DevOps on Cloud (AWS Cloud, Kubernetes, Ansible, Jenkins, Terraform, GitHub, RHEL Linux)

**Process:** Agile Methodology, Jira (Service Management) ; ServiceNow (Ticketing Tool)

### Key Result Areas: (As DevOps Engineer)

- ❖ Provisioned AWS services & resources using Terraform, including VPC, EC2, EBS, S3, EKS, Auto-scaling & Elastic Load Balancer
- ❖ Built and deployed CI/CD pipelines, configured Jenkins with Git, and monitored continuous builds
- ❖ Deployed Docker images to Kubernetes clusters, creating pods, deployments, services, and load balancers
- ❖ Created and managed Docker images, pulling from Docker Registry
- ❖ Managed Ansible playbooks and roles for configuration management and continuous deployment automation
- ❖ Monitored AWS resources with CloudWatch, setting alarms for notifications and automated actions
- ❖ Monitored servers using Nagios

### Key Result Areas: (As Linux Administrator)

- ❖ Swift resolution of daily user-reported problems and incidents identified by the Event Monitoring System
- ❖ Monitoring system performance (Virtual memory, System events, Swapping, Disk utilization, CPU utilization)
- ❖ Methodical verification and resolution of system error logs
- ❖ Expert creation and management of volumes using Logical Volume Manager (LVM)
- ❖ Dynamic creation and management of Users/Group Accounts
- ❖ Applying OS and security patches for Linux Operating Environment
- ❖ Streamlined migration of servers from Data Center to Disaster Recovery
- ❖ Installation of Red Hat through Kickstart via FTP and NFS. Installation and configuration of Windows OS
- ❖ Precision in scheduling automatic tasks through Crontab and AT Jobs
- ❖ Installation and updating of software packages using YUM & RPM
- ❖ Configuration and management of NFS, auto NFS, SAMBA, and FTP servers
- ❖ Creation of disk partitions and configuration of cutting-edge XFS file systems
- ❖ Client-focused system maintenance tailored to specific requirements



### PERSONAL DETAILS

**Date of Birth:** 28<sup>th</sup> May 1998

**Languages known:** English, Hindi, Telugu & Tamil

**Address:** Hyderabad – 500079