


# KRISHNA KISHORE REDDY

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## SENIOR DEVOPS ENGINEER

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### PROFESSIONAL SUMMARY

Highly skilled Senior DevOps Engineer with over 6 years of experience in designing, implementing, and managing scalable and reliable infrastructure. Proficient in leveraging Kubernetes (K8s), Docker, Azure Devops, GitHub Actions and Linux to optimise the development and deployment pipelines, ensuring seamless integration and continuous delivery of applications. Adept at automating workflows, enhancing system performance, and collaborating cross-functionally to drive efficiency and innovation.

### SKILLS AND EXPERTISE

Linux	Python	Shell Scripting	Ansible	Vault	OKTA
Terraform	Jaeger	Docker	Kubernetes	Networking	
OpenShift	Prometheus	AWS	Grafana	SAML	
GIT	GitHub	OpenTelemetry	Azure Pipelines	OIDC/Oauth 2.0	

### PROFESSIONAL EXPERIENCE

Trintech India pvt Ltd.  
Senior Devops Engineer.

January 2025 - Present

- Designed and built the **OpenShift Cluster** from scratch, **reducing deployment time from one week to 45 minutes** by automating processes using **Ansible, Azure Pipelines, and Shell Scripts**.
- Developed an **internal Certificate Manager**, eliminating the need for external certificates for internal use, resulting in **cost savings for the organization**.
- Deployed the **Certificate Manager** in an OpenShift cluster, **automating certificate rotation for OpenShift, ingress, and routes**.
- Migrated** the Windows DNS server to a Linux-based DNS server and **implemented Dynamic DNS (DDNS)** to automate record management. This **reduced deployment time from 3 hours to 5 minutes** and eliminated manual record additions through Shell Script automation.
- Developed a **Python API-based web application** to automate task management. When users submit details, tasks are **automatically assigned to DevOps engineers** in Azure DevOps (ADO), enabling streamlined tracking and **improved efficiency**.
- Mentored and trained** junior team members, providing guidance and support whenever they encountered challenges.
- Collaborated with the development team** to deploy applications and actively encouraged the transition to **microservices architecture** for improved scalability and maintainability.
- Designed and maintained** an end-to-end **blackbox monitoring** application, leveraging ADO pipelines, SonarQube, Trivy, Docker, Kubernetes, and ArgoCD for seamless CI/CD and deployment.
- Developed a Python-based executable** for dynamic **inventory management**, streamlining integration with **configuration management** tools and improving automation efficiency.

Salesforce India Pvt LTD  
Infrastructure Engineer

24 April 2023 - 31 December 2024

- Extensive experience in **deploying and managing** applications using **Kubernetes and Docker**
- Proficient in **deploying, scaling, and managing** containerized **applications** using **Kubernetes**, optimizing performance and resource utilization.
- Skilled in **configuring** and troubleshooting **SAML authentication** issues with **Okta and Azure**, ensuring **seamless integration and security**.
- Executed a container-based **infrastructure**, reducing **infrastructure costs by 30% through optimized resource allocation**.
- Automated the **deployment** process for a major **Tableau application**, **reducing deployment time from 3 hours to 30 minutes**.

- In-depth expertise in **SSL configurations**, including certificate validation, **chain file creation**, and troubleshooting **SSL-related issues** on both cloud and on-premises environments, providing detailed RCA and log analysis.
- **Deployed a logging and monitoring** solution, enabling early detection and proactive resolution of system issues.
- Strong experience with cloud platforms, including **AWS EC2, S3, VPC, Route 53, and CloudFront**, ensuring **scalable, secure, and highly available solutions**.
- Proficient in writing **Bash scripts** to **automate routine tasks**, improving efficiency and reducing manual intervention.
- Developed system capacity management strategy, ensuring optimal resource utilization and scalability.
- Experienced in **troubleshooting proxies and load balancers**, ensuring smooth **traffic distribution and system reliability**.

**Tech Mahindra**

**10 May 2022 - 20 April 2023**

**Marlabs**

**Software Engineer**

- Automated server provisioning and configuration management, accelerating deployment times and simplifying maintenance.
- Developed and applied a CI/CD pipeline, enhancing system reliability, uptime, and deployment efficiency.
- Upgraded and maintained system software, improving performance, security, and stability.
- Analyzed system performance, identified bottlenecks, and enforced optimizations, increasing overall system throughput and efficiency.
- Deployed a version control system, enabling efficient tracking of code changes and quick rollback of undesirable modifications.
- Led the migration of the company's IT infrastructure to the cloud, significantly improving scalability, performance, and operational efficiency.
- Expert in hosting web applications using Nginx and Apache (httpd), ensuring high performance, security, and reliability.
- Provided in-depth support for server optimization, hybrid server cluster setup, and high-availability fault-tolerant systems, enhancing customer experience and system resilience.
- Resolved complex system and network issues, ensuring minimal downtime and optimal performance through proactive troubleshooting.
- Managed production environments, maintaining uninterrupted Tier 2/microservices operations to support critical business applications.

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## **KEY ACHIEVEMENTS**

### **Optimised Deployment Process**

Reduced deployment time from 1 week to 45 minutes by designing OpenCluster.

### **Improved system Security**

Migrated DNS server to Linux-based system, enhancing security and reliability.

### **Reduced Infrastructure Costs**

Achieved 30% cost savings by implementing a Internal PKI infrastructure.

## **EDUCATION**

### **Graduation**

Graduated in Computer Science and Engineering from K.S.RM College of Engineering, Kadapa with First Grade

**Krishna Kishore Reddy**

**Aspiring Soldier.**