

# KRISHNA KISHORE REDDY

SENIOR DEVOPS ENGINEER

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## PROFESSIONAL SUMMARY

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Senior DevOps Engineer with 6 years of experience in production support, troubleshooting, and CI/CD automation. Proficient in Kubernetes, Docker, Terraform, and cloud platforms (AWS, Azure, GCP). Skilled in debugging complex deployment issues, customer onboarding, and automating support workflows using Python, Ansible, and Slack/JSON integrations. Strong expertise in monitoring and observability (Prometheus, Grafana, OpenTelemetry, Tableau) with a focus on customer success and reliability at scale.

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## EDUCATION

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

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## PROFESSIONAL EXPERIENCE

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**Trintech India pvt Ltd., Senior Devops Engineer**

01/2025 – Present

- Streamlined **OpenShift** cluster provisioning by automating the deployment of core components (SSO, Cert Manager, Prometheus, Grafana) through Ansible, Azure Pipelines, and Shell scripts, achieving a **99% reduction** in **deployment time**—from 1 week to 45 minutes
- Developed an **internal Certificate Manager**, eliminating the need for external certificates for internal use, resulting in cost savings for the organization. **[Github](#)** ☺
- Eliminated Azure DevOps pipeline bottlenecks by implementing **traffic-based auto-scaling** for Windows and Linux build agents, **drastically reducing** queued jobs and improving deployment velocity.
- Rolled out multi-layered security scanning infrastructure using **CrowdStrike Falcon** and Trivy across all OpenShift clusters and VMs, maintaining continuous compliance monitoring and **vulnerability detection**.
- Established secure container image workflow using **Skopeo** to mirror images from **public registries** to internal registries, eliminating direct **external registry** access and **reducing** security vulnerabilities.
- Built a Linux-based DNS with **DDNS** automation, reducing manual record update. **[GitHub](#)** ☺
- Deployed an **end-to-end monitoring** stack with **Prometheus**, Grafana, ArgoCD reducing MTTR through proactive alerting.
- 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.
- Created a **one-stop automation solution** for **OpenShift** cluster **upgrades**, enabling version **updates** through a **single execution** and eliminating manual intervention.

- Developed a **one-click** Azure Pipeline solution for **deploying** production-ready 3-node **NFS clusters** with **Pacemaker** and DRBD high availability, fully automating server creation and configuration.
- Eliminated server **reboot requirements** for critical patches by deploying **TuxCare live patching**, maintaining continuous **uptime** while ensuring security compliance.

**Salesforce India Pvt LTD, Infrastructure Engineer**

24/04/2023 – 31/12/2024

- **Automated Linux VM deployment** process through a custom **pipeline** that provisions servers on-demand and integrates them with domain **authentication**, eliminating manual setup delays for support teams leveraging the **Terraform** and **Ansible**.
- Enabled faster **bug resolution** and enhanced customer satisfaction by helping technical support teams **reproduce** issues in Docker and **Kubernetes** environments for efficient troubleshooting.
- 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, Marlabs, Software Engineer**

10/05/2022 – 20/04/2023 | Bengaluru

**Marlabs, Software Engineer**

05/2021 – 04/2022 | Bengaluru

## SKILLS AND EXPERTISE

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|----------------------------------|-------------------|--------------|
| • Linux                          | • Shell Scripting | • Vault      |
| • Terraform                      | • Kubernetes      | • OpenShift  |
| • AWS                            | • SAML            | • GitHub     |
| • Tableau                        | • Python          | • Ansible    |
| • OKTA                           | • Docker          | • Networking |
| • Prometheus                     | • Grafana         | • GIT        |
| • Azure Pipelines OIDC/Oauth 2.0 | • Argo CD         |              |

## KEY ACHIEVEMENTS

**Red hat Certified Specialist in OpenShift Administration**

**Built a self-hosted media server using Jellyfin, Tailscale, K3s, and Cloudflare, creating an end-to-end streaming solution with secure remote access.**

**Created 10+ engineers by my own sharing my knowledge in Infrastructure and DevOps Practices.**

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**KRISHNA KISHORE REDDY**

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Aspiring Soldier