

Praveen Singampalli

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Professional summary

I am a dedicated DevOps/SRE Engineer with hands-on experience in automation, infrastructure management, and enhancing software development practices. With a strong background in CI/CD pipelines and cloud infrastructure, I have significantly improved operational efficiency and system reliability. My work in integrating monitoring solutions and securing DevOps practices has led to substantial reductions in incidents and enhanced performance across projects.

Technical Skills

DevOps Tools : Python, Java, Jenkins , Ansible, Kubernetes , Docker, Maven, Jfrog, Terraform,

Visualization Tools: Prometheus, Grafana , Istio, Kiali, Jaeger, New relic

Other Skills: Automations, Production Support, RCA, Oncall activities

Experience/Projects

Walmart

July 2021 – December 2023

DevOps/SRE Engineer

Bengaluru, India

- **Infrastructure Automation**: Designed and implemented **CI/CD pipelines** using **Jenkins**, **GitLab CI**, and **CircleCI** to automate deployment and provisioning of infrastructure in cloud environments, improving deployment speed by 40%.
- Managed cloud infrastructure on **Google Cloud Platform (GCP)**, automating provisioning with **Terraform** and **CloudFormation**. Reduced manual configuration errors and increased scalability by 30%.
- Developed automated infrastructure provisioning workflows using **Terraform** and **Ansible**, enabling seamless setup of virtual machines, databases in **GCP** and **AWS** with 70% automated efforts
- Led the integration of **monitoring** and **alerting** tools like **Prometheus**, **Grafana**, and **New Relic**, ensuring high availability and early detection of issues across cloud applications and infrastructure which helped in reduction of 30-50 support tickets.
- Collaborated with **development teams** to optimize the **software development lifecycle (SDLC)**, reducing bottlenecks by automating testing, deployments, and environment provisioning.
- Ensured **secure DevOps practices**, including **secrets management** using tools like **Vault**, **vulnerability scanning**, and implementing robust **access control** policies, resulting in improved security posture across cloud environments.
- Managed incident response and troubleshooting for production systems, ensuring a **high uptime** of 99% and fast resolution of issues in collaboration with engineering teams, minimizing service interruptions

Verizon

June 2019 – July 2021

DevOps Engineer

Kolkata,

India

- Implemented **configuration management** solutions using **Ansible** and **Puppet** to automate the provisioning and configuration of infrastructure, reducing manual configuration tasks by 50%.
- Developed and managed **monitoring dashboards** using Grafana and Prometheus, improving visibility into system health and ensuring optimal performance of applications deployed on **AWS and GCP**.
- Worked closely with development teams to continuously improve CI/CD pipelines, facilitating smoother releases and addressing bottlenecks by automating infrastructure provisioning and testing.
- Spearheaded the use of cloud automation tools like terraform to ensure consistent infrastructure deployment, aligning with best practices for **infrastructure as Code**.
- Provided hands-on support for incident management, ensuring timely resolution of **production issues and collaborating** with teams to prevent recurring incidents, achieving a 20% improvement in system reliability.
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Personal Projects

Walmart: Chatbot Automation | Nodejs, DevOps / SRE

April 2022 - May 2022

- Developed an interactive chatbot for supply chain, enhancing strategic decision-making with dynamic visualizations that **reduced data trend identification time by 40% and improved decision accuracy by 30%**.

- Streamlined devops CICD processes with automations, **reducing manual run time of jenkins by 25%.**

Education

Andhra University	Aug 2012 – Sep
2016	
Bachelor of Science in Information Technology	AP

Certifications

RHCSA	Aug 2019
CKAD	Dec 2020

Awards & Achievements

WALMART	BRAVO AWARD
VERIZON	ACHIEVER AWARD