

# SUDHIR VARDHAN REDDY

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Dynamic **Cloud & DevOps Engineer** with **1+ years** of experience in **cloud infrastructure, automation, continuous integration and deployment (CI/CD), and analytics**. Proficient in **AWS, Terraform, Kubernetes, Git, Docker, Ansible, CI/CD pipelines, Python, and Generative AI**. Expertise in **microservices deployment, serverless computing, auto-scaling architectures, observability tools, infrastructure as code (IaC), and security best practices**. Passionate about optimizing cloud-based solutions, improving system reliability, and enhancing security.

## Work Experience

NOV 2023 – PRESENT

**Cloud & DevOps Engineer | CodeView Technologies | Hyderabad, India**

- **Deployed and managed micro-services on AWS EKS** using **Helm and Terraform**, ensuring **99.9% availability** with **auto-scaling and self-healing capabilities**.
- **Engineered serverless applications** using **AWS Lambda, API Gateway, and CloudWatch**, reducing **operational costs by 45%** while handling **500K+ events/day**.
- **Automated SFTP Server Deployment** with **AWS Lambda, Terraform, and GitHub CI/CD**, ensuring secure and efficient provisioning.
- **Developed Scalable GitHub Self-Hosted Runners** with **Terraform & EC2** of **ubuntu OS**, integrating **AWS SSM Parameter Store** for secure secrets management.
- Integrated **Maven** with **Docker** for automated **containerized** builds and deployments, optimizing **CI/CD** workflows and artifact management.
- **Integrated SonarQube and JFrog Artifactory** with **CI/CD pipelines**, enabling automated artifact promotion and improving deployment efficiency by **35%**.
- **Optimized Cloud Performance** with **AWS CloudWatch, Route 53, Kubernetes**, and automated logging mechanisms.
- **Implemented End-to-End Secret Management** with **Terraform, AWS KMS, and AWS Secrets Manager**, ensuring robust security best practices for sensitive credentials and compliance.
- **Integrated Gitleaks for Secret Scanning** in **GitHub Actions and Pre-Commit Hooks**, automating security scans to prevent sensitive data leaks in repositories.
- **Designed a Centralized Repository of GitHub Actions Workflow Templates**, streamlining CI/CD across multiple projects by standardizing reusable workflows for builds, tests, security scans, and deployments.
- **Implemented AWS Macie for Sensitive Data Detection**, configuring **Macie to scan S3 buckets for PII and financial data** and forwarding findings to **AWS Security Hub for automated security alerts and compliance monitoring**.
- **Key Technologies:** Python, Kubernetes, Terraform, Jenkins, Docker, AWS ECS, AWS CloudWatch, Linux, Git, Generative AI, LangFlow, Helm, SonarQube, JFrog Artifactory, AWS KMS, AWS Secrets Manager, Gitleaks, GitHub Actions, AWS Macie, AWS Security Hub.

MAY 2023– OCT 2023

**Junior Cloud Engineer | Java Home Cloud | Bengaluru, India**

- **Built and Maintained CI/CD Pipelines** for cloud deployments using **Jenkins and GitHub Actions**. **Automated Infrastructure Provisioning** with **Terraform and Ansible**, reducing manual deployment efforts by **60%**.  
**Key Technologies:** Terraform, Docker, Jenkins, Git, Bash, AWS Lambda, Cloud Monitoring, IAM, Ansible.

## Gen-AI Projects

- **Vector Store RAG Chatbot with AWS Titan:** Designed and deployed an AI chatbot using AWS EKS, Google Gemini, and AWS Titan, integrating Streamlit for UI and Redis for caching. Implemented CI/CD with GitHub and Argo CD for automated deployments. Configured Kubernetes for container orchestration, Route 53 for DNS, and ACM for SSL management. Built modular Lang flow pipelines for AI model interactions, optimizing performance and scalability.
  - **Chatbot using GenAI with LLaMA3:** Designed and deployed a scalable chatbot using the Hugging Face LLaMA3 model on AWS. Integrated SageMaker for model hosting, API Gateway, and Lambda for request handling, ensuring real-time, efficient interactions. Leveraged S3 for data storage and Route 53 for traffic management.
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## Skills

- **Cloud Platforms :** AWS (EKS, EC2, ECS, S3, IAM, Route 53, Lambda, CloudWatch, CloudFormation) | Azure
  - **DevOps Tools:** Terraform, Docker, Git, Kubernetes, Ansible, CI/CD (Jenkins, GitHub Actions, Spinnaker)
  - **Programming & Scripting:** Python, Bash, Golang, PowerShell, Shell Scripting, SQL
  - **Observability:** AWS CloudWatch, Prometheus, Grafana, Splunk, NewRelic, Logging & Alerting
  - **Security:** IAM & Security Policies, Secret Scanning (Gitleaks), AWS Macie, AWS Security Hub
  - **System Administration:** Linux, AWS Security, Ubuntu, Container Security, IAM, Monitoring
  - **Networking:** TCP/IP, DNS, Load Balancers, Firewalls, VPN, VPC, NAT Gateway
  - **Infrastructure as Code (IaC):** Terraform, CloudFormation, Ansible, Helm, Terragrunt
  - **Databases & Analytics:** SQL, Snowflake, Databricks, Pandas, NumPy, Matplotlib, PySpark
  - **Soft Skills:** Problem-Solving | Communication | Collaboration | Troubleshooting | Leadership
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## Education

AUGUST 2019 – MAY 2023

**B. Tech Computer Science & Engineering | 8.3 GPA | Maharaja Institute of Technology | Mysore**

AUGUST 2017 – MARCH 2019

**Pre-University | 8.0 GPA | Mandavya Excellence P.U College | Mandya**

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## Certifications

- NDG Linux Essentials, Cisco Networking Academy
- AWS Services for Solutions Architect Associate, Udemy
- AWS Lambda and the Serverless Framework, Udemy
- Programming for Everybody (Getting Started with Python), Coursera
- Kubernetes Fundamentals
- Containerization with Docker: Beginner to Expert