



IRRINKI SAITEJA

DevOps LEAD Engineer
MLOps | AIOps

CONTACT

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EDUCATION

Bachelor of Technology
Andhra University - 2020
SRKR Engineering College
Bhimavaram, Andhra Pradesh

TECHNICAL SKILLS

Operating Systems: Linux, Windows
Cloud Computing: AWS, Azure, GCP
Scripting: Bash, PowerShell
AI: AI Models and GitHub Copilot
VCS: Git and GitHub
IaC: Terraform, Ansible
CI/CD: Azure DevOps, Jenkins
Containerization & Orchestration: Docker, Kubernetes, and Helm
Code Quality: Sonar Cloud/Qube



PROFESSIONAL SUMMARY

DevOps LEAD with over 4+ years of experience in CI/CD pipelines, automating infrastructure, managing containers, and working with cloud platforms. Certified as a DevOps engineer by Microsoft with the **AZ-400** certification exam. Skilled in tools like Terraform, Kubernetes, Helm, and Azure DevOps. Known for improving deployment processes by 80%, reducing downtime, and managing cloud resources efficiently.

PROFESSIONAL EXPERIENCE

DevOps LEAD **Tiger Analytics, Hyderabad**
Oct 2023 – Present

- Deployed and managed **AI-ML models** while automating Data Science operations in Cloud Platform using Containerization.
- Automated Helm chart deployments across AKS clusters to streamline application delivery reducing build time by 40%.
- Improved CI/CD Azure pipelines, enhancing software delivery efficiency and achieving reductions in build errors.

Senior DevOps Engineer **Zelarsoft Pvt Ltd, Hyderabad**
Mar 2022 – Oct 2023

- Responsible for Provisioning and Managing Cloud Infrastructure. Automating maintenance and regular jobs on Cloud Infrastructure.
- Experienced handling the CICD Life Cycle and Branching Strategy.
- Spearheaded a team of DevOps professionals to implement a seamless CI/CD lifecycle for various projects.

DevOps Engineer **Visualpath IT, Hyderabad**
Mar 2021 – Feb 2022

- Worked on Multiple proof-of-concept projects for deploying Java applications with optimized CI/CD workflows.
- Automated routine tasks, reducing manual effort by 80%.
- Documented the Entire Process using Markdown Language using MKDocs.



TECHNICAL FOOTPRINTS

Highly skilled IT professional with extensive experience in **CI/CD pipelines, Configuration Management, Cloud platforms, and DevOps methodologies**. Expertise in **troubleshooting build and deployment issues** and managing **infrastructure automation**. Proficient in tools and platforms such as **Azure DevOps, Git, GitHub, AWS, Azure Cloud, Docker, Kubernetes, Helm, Terraform, and Ansible**. Strong scripting skills with **Shell, PowerShell**, and automation of complex workflows. Demonstrated ability to integrate **AI Models, Code Quality Analysis tools**, and implement **secure, scalable solutions**.

KEY SKILLS:

CI/CD & Version Control:

Configured and managed **CI/CD pipelines** across Dev, Staging, UAT, and Production environments using **Git Flow Branching Strategy**.

Proficient in version control with **Git, GitHub, and Azure Repos** for automation and collaboration.

Hands-on experience with **Azure DevOps** and **Jenkins (Freestyle and Pipeline jobs)** for build and release management.

Artificial Intelligence (AI) Integration:

Used AI tools and their models like Azure OpenAI, Claude AI, and Hugging Face AI to automate release note generation in Azure DevOps after a PR is merged.

Leveraged GitHub Copilot in VS Code for faster code reviews, generating commit messages, and improving overall development efficiency.

Cloud & Containerization:

Worked with Azure Cloud and AWS services.

Specialized in **Docker** based containerization.

Developed and oversaw **Kubernetes deployments** leveraging **Helm custom charts** for orchestration and scalability.

Branching Strategy & Version Control:

Created a Workflow & Branching Strategy with the Requirements.

Experienced in implementing effective branching strategies in GIT and Azure Repo for collaborative development.

Infrastructure as Code:

Automated infrastructure provisioning using **Terraform, Ansible** and Cloud Formation (AWS).

Created and managed Azure resources with PowerShell and Bicep templates.

Scripting & Automation:

Advanced scripting expertise in **Shell** and **PowerShell** to automate operational tasks.

Automated processes for **release note generation, backup procedures**, and system health monitoring.



PROJECTS

Name: AI for Kubernetes

Client: Technology Domain

Tools: AI Models, AKS, ACR, Helm, Sonar Cloud, Git, Azure DevOps, Grafana, Prometheus.

Roles and Responsibilities:

- Automated AIOps workflows using CI/CD-Azure DevOps for AI tools including frontend, backend, and MCP-server, enabling prompt-based Kubernetes management.
- Designed and deployed a dashboard capable of connecting to any Kubernetes cluster and deploying agents for cluster operations and debugging via natural language prompts.
- Configured Grafana and Prometheus for real-time pod and cluster monitoring, enhancing observability and proactive issue detection.

Name: TPO

Client: Food and Daily Care

Tools: Azure Cloud, Azure DevOps, Kubernetes, Helm, and Micro Services Deployment.

Roles and Responsibilities:

- Successfully deployed a microservices application in Azure Kubernetes Service (AKS) using Helm charts and Azure DevOps pipelines.
- Developed a multistage build pipeline to create and push Docker images to Azure Container Registry (ACR).
- Mounted Azure File Share across multiple pods to ensure real-time synchronization and seamless data sharing.
- Optimized operations by removing redundant sidecar containers performing copy tasks, replacing them with direct Azure File Share integration, improving efficiency and reducing resource consumption.
- Configured readiness and liveness probes for improved application stability and uptime.
- Enabled Horizontal Pod Autoscaling (HPA) for dynamic scaling based on workload demands, reducing idle resource usage by 20%.

Name: ADP

Client: Manufacturing

Tools: Azure DevOps, YAML Pipelines, ADF, Databricks, App Services, and Bash.

Roles and Responsibilities:

- Designed and implemented multi-stage CI/CD pipelines (Dev → QA → Prod) with gated approvals.
- Set up path-based triggers to enable per-service deployments using folder structure.
- Used YAML templates and environment-specific variable files to manage pipeline config.
- Managed deployments of Azure Services using conditional and manual gates to control staged deployments safely.

ACHIEVEMENTS

I Consistently received multiple **written email appreciations** from stakeholders, clients, and managers across all projects for delivering high-quality results. Awarded a **performance bonus** from client for timely project delivery and cost reduction in a major initiative.