Jeevan Kumar Kanuru

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Linkedin | GitHub | Portfolio

PROFILE

DevOps Engineer with over 2.6 + years of hands-on experience in automating deployment pipelines, containerization, and managing Kubernetes clusters. Adept at designing and implementing scalable infrastructure, CI/CD pipelines, and DevOps best practices using tools such as Docker, Helm, Jenkins, ArgoCD, and Bitbucket Pipelines. Highly skilled in Kubernetes orchestration, cloud migration, and system monitoring with Grafana and Prometheus. Known for delivering highly efficient solutions that reduce manual efforts, enhance system reliability, and accelerate application deployment cycles. Recognized as the "Most Efficient in DevOps" by the Director of Engineering for excellence in project execution and process optimization. Passionate about continuous learning, AI integration in DevOps workflows, and mentoring junior engineers.

EDUCATION

Bachelor of Technology (B. Tech.)- Electrical & Electronics Engineering 2017 - 2022

Aditya Institute Of Technology & Management (AP)
CGPA - 7.2

XII - MPC 2015 - 2016
NRI Educational Institutes (AP)
CGPA - 8.1

X - SSC 2012 - 2013
Narayana Model High School(AP)
CGPA - 8.7

WORK EXPERIENCE

DevOps Engineer

Quixy | Hyderabad, India **October 2022 - Present**

- Designed and implemented **Kubernetes clusters** to host microservices, ensuring high availability and scalability.
- Managed deployments across **multiple cloud environments**:

    - **Quixy application** hosted in a **local data center**.
    - **QuickAdopt application** deployed on **AWS** with optimized infrastructure.
    - Certain **microservices deployed on Azure**, leveraging **Azure Pipelines** for automation.
- Developed and managed **CI/CD pipelines** using **Jenkins, Bitbucket Pipelines, and Azure Pipelines**, ensuring seamless and automated deployments.
- Integrated **ArgoCD for GitOps-based continuous delivery**, enabling automated deployments from Git repositories.
- Leveraged **Prometheus and Grafana** for real-time system monitoring and performance optimization.
- **Recognized as the "Most Efficient in DevOps"** by the **Director of Engineering** for optimizing workflows and minimizing downtime.
- Mentored **junior engineers** and provided guidance on **best practices in containerization, Kubernetes, and cloud automation**.

DevOps Intern

Web Synergies | Remote **June 2022 - Dec 2022**

- Assisted in the **containerization** of microservices using **Docker** and orchestrating them on **Kubernetes clusters**.
- Contributed to **CI/CD pipeline development** using **Jenkins** and **Bitbucket** to automate deployment processes.
- Supported the monitoring and logging implementation with **Prometheus** and **Grafana** to enhance system observability.
- Collaborated with the DevOps team to implement **Helm charts** for Kubernetes deployments, improving configuration management.

Freelance DevOps Engineer

Jinna Balu | Remote **October 2024 - June 2025**

- Worked on setting up and managing **CI/CD pipelines** for containerized applications, reducing manual effort and improving delivery timelines.
- Implemented **Kubernetes** for scalable deployment of applications, focusing on high availability and efficient resource management.
- Developed and optimized **GitOps** workflows using **ArgoCD** for streamlined deployments from Git repositories.
- Integrated **Prometheus and Grafana** for application health monitoring and implemented alerts to ensure minimal downtime.

🚀 **Containerization & Orchestration:**

- Docker, Kubernetes, Helm
- Nginx Ingress Controller, Kubernetes ConfigMaps

🔧 **CI/CD & Automation:**

- Jenkins, Bitbucket Pipelines, ArgoCD, GitOps
- **Azure DevOps Pipelines**

☁️ **Cloud Technologies:**

- **AWS**: EC2, EKS, RDS, **EBS, S3 Buckets, CloudFormation**
- **Azure**: VMs, AKS, **Azure DevOps Pipelines**

📊 **Monitoring & Logging:**

- Prometheus, Grafana, Loki, Fluentd
- **ELK Stack (Elasticsearch, Logstash, Kibana)**

🛠️ **Messaging & Caching:**

- **RabbitMQ**, Redis

🔐 **Security & Networking:**

- TLS/SSL, RBAC (Role-Based Access Control)
- Network Policies, Secret Management
- **Health Checks & Security Compliance**

🖥️ **Version Control & Collaboration:**

- Git, GitHub, Bitbucket

📜 **Scripting & Programming:**

- Shell Scripting, Python

📦 **Build & Deployment Tools:**

- Docker Hub, Harbor

🧠 **AI & MLOps:**

- **AI Integration in Local Machines** (Llama, DeepSeek, Phi-3-5)
- **MLOps** for managing machine learning models in production

📌 **Agile & DevOps Methodologies:**

- Agile, Scrum

PROJECTS

Quixy – Kubernetes Cluster Deployment

- **Role**: DevOps Engineer
  Technologies: Kubernetes, Docker, Helm, ArgoCD, Jenkins, Prometheus, Grafana
- **Description**:
  Designed and managed a **Kubernetes cluster** to host microservices, ensuring high availability and scalability.
    - Implemented **CI/CD pipelines** using **Jenkins** and **Bitbucket Pipelines** to automate build, test, and deployment processes.
    - Integrated **ArgoCD** for GitOps-based automated deployments, allowing seamless updates from the Git repository.
    - Enhanced monitoring using **Prometheus** and **Grafana** to track application health and performance metrics.
    - Recognized as the "**Most Efficient in DevOps**" by the **Director of Engineering** for optimizing workflows and minimizing deployment downtime.

QuickAdopt – Containerized Application Deployment

- **Role**: DevOps Engineer
- **Technologies**: Docker, Kubernetes, Jenkins, Helm, Bitbucket Pipelines
- **Description**:
    - Led the containerization and deployment of **QuickAdopt's microservices** on Kubernetes, enabling scalable, distributed architecture.
    - Built **CI/CD pipelines** with **Jenkins** and **Bitbucket Pipelines** to ensure rapid and automated deployments.
    - Created **Helm charts** to manage Kubernetes deployments, enabling environment-specific configurations.

ML Service with ML Ops

- **Role**: DevOps Engineer
- **Technologies**: Kubernetes, Docker, Jenkins, TensorFlow, MLflow, Python
- **Description**:
  Developed and deployed a machine learning service using **Kubernetes** to scale and serve models efficiently.
    - Automated the **ML Ops pipeline** using **Jenkins**, integrating **TensorFlow** and **MLflow** for model training, versioning, and deployment.
      Enabled automated testing and deployment of **ML models**, ensuring smooth integration and deployment cycles.

AI Integration in Local DevOps Workflow

- **Role**: DevOps Engineer
- **Technologies**: Python, Docker, Kubernetes, DeepSeek AI
- **Description**:

- Integrated **AI** capabilities into the **DevOps workflow**, enabling automated responses and decision-making during deployment and failure recovery.
- Worked with the **DeepSeek AI model** for intelligent troubleshooting and automated system performance optimization.
- Optimized deployment cycles by incorporating AI-based feedback loops in the CI/CD pipeline.

CERTIFICATIONS

Azure AZ-900: Microsoft Azure Fundamentals | December 2022

DECLARATION

I hereby declare that the information provided above is true and accurate to the best of my knowledge and belief.