# VISHNUVARDHAN K
## DevOps Engineer

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## Personal Profile

Dynamic and detail-oriented DevOps Engineer with a focus on continuous integration and deployment, seeking leverage expertise in cloud technologies and container orchestration within innovative technology-driven organizations.

## Education

- B.Sc. in Computer from Sri Krishna Devaraya University (SKU), Andhra Pradesh, India in 2021

## Technical Skills

- **OS/Servers:** Ubuntu, Amazon, Linux, CentOS, Windows, Mac
- **Scripting:** Shell Scripting, Yaml Scripting, Python Scripting and Groovy Script
- **Containerization:** Docker, Docker Hub & Harbor
- **CI/CD Tools:** GitLab, Jenkins, GOCD, Argocd
- **Orchestration:** Docker Compose, Kubernetes, Rancher, EKS, Openshift
- **Quality Management Tool:** SonarQube, SonarCloud
- **Cloud platforms:** AWS , AZURE
- **Infrastructure as Code:** Terraform
- **Build Management Tools:** Ant, Maven
- **Version Control Tools:** GIT, GitHub, Gitlab, Bitbucket
- **Configuration Management:** Ansible
- **Web Server:** Apache HTTP Server, Ngnix
- **Monitoring Tools:** betteruptime, Newrelic and grafana
- **Database:** MySQL, Mariadb
- **Cache Management:** Varnish, Redis, Fastly
- **Project Management Tool:** Jira & Slack
- **Remote Administration:** SSH, SCP, FTP, SFTP

## Core Competencies

- DevOps Engineering

## Executive Summary

- Accumulated over 3 years of extensive experience in the field of DevOps Engineering, specializing in software configuration management, build and release management, and continuous integration and deployment within the Technology Sector.
- Currently working as a DevOps Engineer, orchestrating deployment processes and enhancing operational efficiencies through automation and innovative solutions.
- Developed a comprehensive skill set encompassing deployment strategies, containerization, and cloud services, with a strong emphasis on Kubernetes and Docker technologies, enabling seamless application delivery and infrastructure management.
- Achieved significant improvements in deployment efficiency by implementing a robust Canary deployment strategy, resulting in enhanced application stability and reduced downtime in production environments.
- Exhibited exceptional leadership and collaboration skills, effectively guiding cross-functional teams in the adoption of Release practices and fostering a culture of continuous improvement.
- Gained in-depth knowledge of cloud infrastructure management, particularly in AWS, facilitating the design and implementation of scalable and secure cloud solutions tailored to business needs.
- Exhibits a strong understanding of container orchestration and management, with hands-on experience in configuring and managing Kubernetes clusters to support microservices architecture.

## Projects & Clients

### Jan 2024 – Present | DevOps Engineer | Marina Homes, UAE, Dubai

**Key Responsibilities:**

- Spearheading the creation and management of CI/CD pipelines utilizing Jenkins, thereby automating deployment processes and enhancing operational efficiency across various environments.
- Orchestrating the deployment of microservices by leveraging Docker and Kubernetes, ensuring seamless integration and scalability of applications within the cloud infrastructure.
- Designing and implementing robust services within Kubernetes, focusing on high availability and fault tolerance to meet business requirements.
- Developing Terraform scripts to provision and manage AWS infrastructure, ensuring efficient resource allocation and cost management.
- Crafting Ansible Playbooks and Shell scripts to streamline project setup and automate repetitive tasks, hugely reducing manual intervention.

### Jan 2023 - Dec 2023 | DevOps Engineer | Central Group, Thailand

**Key Responsibilities:**

- Architected and executed GoCD pipelines for multi-environment deployments, enhancing the CI/CD process and ensuring smooth transitions across Integration, SIT, UAT, Pre-prod, and Production stages.
- Automated the management of Docker images by configuring pipelines to seamlessly pull the latest images from AWS ECR, ensuring continuous integration and deployment of applications. Deploying applications in EKS

- Build and Release Management
- Continuous Integration and Deployment
- Software Development Life Cycle
- Agile Methodology
- Project Management
- Application Performance Monitoring
- Disaster Recovery Planning

## Certification

**CERTIFIED KUBERNETES ADMINISTRATOR (CKA)**
URL:
https://www.credly.com/earner/earned/badge/2f80d1b2-8754-4fdd-b4fd-4f66fbaa5efe
Certificate ID: LF-v8o0czuf3f
**Validity:** Sep 10 - 2026

## Personal Details

- **Languages Known-** Hindi, English, Telugu

- **Date of Birth-** 21st June 2000

- Streamlined the installation of dependencies and code compilation processes, guaranteeing that each environment is correctly configured for optimal application performance.
- Integrated automated code quality checks and coverage assessments into the deployment pipeline, ensuring adherence to quality standards prior to production releases.
- Facilitated the deployment of applications to Magento Cloud by automating code pushes, hugely reducing manual intervention and expediting deployment cycles.

### Aug 2022 - Dec 2022 | DevOps Engineer | Codilar Internal / Codilar Demos, Bengaluru

**Key Responsibilities:**

- Developed automation scripts utilizing Ansible, Python, and Shell Scripting to enhance the deployment and management of Magento applications, hugely improving operational efficiency.
- Created Dockerfiles and Docker Compose files tailored for Magento applications, facilitating the containerization process and ensuring consistent application environments.
- Executed the migration of demo servers from AWS and Cloud Jiffy to a Kubernetes (K3S) cluster, achieving substantial cost reductions while maintaining performance standards.
- Configured monitoring tools such as BetterUptime to track application downtime and SSL certificate expirations, ensuring proactive management of system health.

## Work Experience

### Jul 2022 – Present | DevOps Engineer | Codilar Technologies, Bengaluru

**Key Responsibilities:**

- Engaged in the design and implementation of CI/CD pipelines, facilitating automated deployments and improving the overall software delivery process.
- Collaborated with development teams to optimize application performance and reliability through effective monitoring and troubleshooting practices.