

Bhuvanchand Maddi

bhuvanchand.maddi333@gmail.com

+91 8885194481

Hyderabad, Telangana, India

<https://www.linkedin.com/in/bhuvanchand-maddi>

<https://github.com/bhuvanchandmaddi>

Summary

As a DevOps Engineer with four years of hands-on experience, I have developed a deep expertise in orchestrating containerized applications using Kubernetes and in containerizing applications using Docker, crucial for enhancing scalability and portability. In addition to this, I am highly skilled in managing complete CI/CD deployments with Jenkins, automating the software development lifecycle for rapid and reliable software releases. This experience is further complemented by my proficiency in AWS for scalable cloud services and Terraform for infrastructure as code.

My technical capabilities also extend to Ansible for efficient configuration management, ensuring streamlined and reliable processes. In system administration, I possess strong skills in Linux, ensuring robust and secure server environments. My adeptness in version control is demonstrated through my use of Git, facilitating effective team collaboration and version tracking. Moreover, my proficiency in Python and Bash empowers me to develop sophisticated automation and scripting solutions. This comprehensive skill set showcases my ability to align with and contribute to modern DevOps practices and methodologies.

Technical Skills

Automation and Scripting: Expert in utilizing automation tools such as Ansible, complemented by advanced proficiency in scripting languages including Python and Bash.

Continuous Integration and Deployment (CI/CD): Extensive experience in developing and managing CI/CD pipelines using tools such as Jenkins, TeamCity and GitLab CI, coupled with a deep understanding of version control systems like Git.

Continuous Delivery: Advanced skills in implementing continuous delivery GitOps models (e.g., Argo CD).

Infrastructure as Code (IaC): Expertise in Infrastructure as Code (IaC) practices, with significant experience using tools like Terraform and CloudFormation for efficient infrastructure management.

Containerization: Comprehensive hands-on experience with containerization technologies including Docker and Kubernetes, showcasing strong capabilities in container orchestration and deployment.

Cloud Computing: Demonstrated expertise in multiple cloud computing platforms such as AWS, Google Cloud and Azure, with a deep understanding of cloud-native technologies and best practices.

Monitoring and Logging: Proficient in deploying and managing monitoring tools like Prometheus & Grafana, and experienced in log aggregation and analysis using tools like Fluent Bit.

Security: In-depth expertise in security best practices, with hands-on experience in implementing security tools and technologies like firewalls, intrusion detection systems, and encryption.

Databases: Strong proficiency in various database technologies including MySQL, PostgreSQL, and Oracle, with extensive experience in database administration and management.

Scripting: Highly skilled in scripting with Bash, Python, and PowerShell, enabling efficient task automation and system management.

Configuration Management Tools: Demonstrated expertise in configuration management with extensive hands-on experience in tools like Ansible.

Category	Skills
Container Orchestration	Kubernetes
Containerization	Docker
Version Control & Collaboration Platforms	Git, GitLab, GitHub, Bitbucket
Configuration Management	Ansible
Continuous Integration/Deployment	Jenkins, GitLab, TeamCity
Build Tools	Maven, Ant
Scripting Languages	Python, Bash
Infrastructure as Code	Terraform
Cloud Platforms	AWS, GCP
Secret Management	HashiCorp Vault
Repository Management	JFrog Artifactory
Monitoring Tools	Prometheus, Grafana
Logging Tools	Fluent Bit, ELK Stack
Database Management	PostgreSQL, MySQL, Oracle, Microsoft SQL Serve

Experience

DevOps Engineer - 06/2023 to 12/2023

Verifone, Bangalore, India

- Created and managed CI/CD pipelines using Jenkins for containerizing and deploying Spring Boot applications in Kubernetes clusters, enabling one-click deployments in lower environments.
- Automated VM-based RPM deployments using Ansible, coupled with Jenkins pipelines, streamlining the deployment process and enhancing consistency.
- Developed Helm charts from scratch for deploying various containerized applications, enhancing deployment efficiency and scalability.
- Worked on HashiCorp Vault, integrating it with the Kubernetes cluster to manage secrets and protect sensitive data.
- Collaborated with Engineering teams to gather requirements and developed complete CI/CD pipelines for various applications, including Spring Boot, Node.js, and .NET, ensuring tailored deployment strategies for each technology.
- Created Jenkins shared libraries for Continuous Deployment pipelines and developed Jenkins pipelines for automating tasks like pushing Helm charts to different locations in JFrog Artifactory, tailored to specific environments.

- Managed JFrog Artifactory repository access, coordinating between the team and developers from other teams to ensure secure and efficient access control.

Software Engineer (Performing Devops activities)- 12/2019 to 05/2023

OpenText, Hyderabad, India

- Develop helm charts for the Kubernetes solutions.
- Develop and maintain CI/CD pipelines using Jenkins, Gitlab & Teamcity etc. to automate image building & publishing them to artifactory like JFrog
- Worked on declarative CD for kubernetes (Argo CD), to rollout monitoring solution for ECM solution in k8's
- Automate and optimize infrastructure deployment and management using terraform & ansible
- Evaluate and implement new tools and technologies to improve DevOps processes
- Created pipelines to automate creation of helm packages and publishing them to central location for every code check-in to SCM.
- Automated staging infrastructure deployment in AWS using Terraform, reducing deployment time by 75%.
- Created EKS cluster and its components(Ingress controller,EBS & EFS CSI drivers) in aws using Terraform scripts, which handles cluster auto-scaling using Karpenter and uses aws ec2 spot instances which reduces the cost by 70%.
- Improved system performance by implementing monitoring and logging solutions in k8's, leading to a 30% reduction in downtime.
- Continuously assess and improve DevOps processes and workflows.
- Mentored junior DevOps engineers, leading to a 40% increase in their productivity.
- Played active role in development of CI/CD pipeline to automate customer deployment of our ECM solution in a private cloud by collaborating with the engineering and operations team.
- Implemented logging framework for containerized ECM application using fluent bit
- Automated database backups against 4 different flavors of databases using ansible
- Manage and maintain source code repositories and version control systems
- Developed Kubernetes solution to deploy partner solutions in the cloud.
- Developed Kubernetes manifests, Docker files and scripts for Content Suite Platform and modules

Associate Software Engineer - 06/2019 to 11/2019

OpenText, Hyderabad, India

- Developed several scripts (using bash, PowerShell and Ansible) to automate internal day-to-day activities of the team
- Develop automated tests for one of the Content Server modules using Selenium in Java.
- Perform deployments of Cloud offering of Content Suite Platform through Kubernetes.
- Deployed Virtual Machine's and Oracle, PostgreSQL & Microsoft SQL Database's used by Developers/ QA

Education

Bachelor of Technology in Computer Science

Raghu Engineering College, Andhra Pradesh, India

Graduation: 2015-2019

Achievement: Attained 80% Aggregate