

Abhay Kumar Pinku

Aspiring DevOps Engineer

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OBJECTIVE:

Aspiring DevOps Engineer who is interested in problem solving and DevOps Solutions. Seeking a challenging role to leverage expertise in DevOps technologies and cloud infrastructure to contribute to a dynamic team

TECHNICAL SKILLS:

Cloud Technologies	AWS
Build Tools	Maven
Container Technologies	Docker, Kubernetes
Scripting	Shell and Python
Version Control System	Git, GitHub and GitLab
Configuration Management	Ansible
Infrastructure as Code	Terraform
CI/CD	Jenkins, AWS Code Pipelines

PROJECT SUMMARY:

End to End CI/CD Pipeline Implementation

- Implemented End to End CI/CD Pipeline for an N-Tier Architecture Microservices Application. This Application comprises 3 Microservices each written in different languages and there is a Redis for Caching and MySQL Database for Storing the User Information.
- Created the pipeline for Python, DotNet and Java Applications using AWS CI Pipelines and Deployed the microservices on to the Elastic Kubernetes Service (EKS) using Argo CD.
- Experience in Implementation advanced CD architecture using GitOps and deploying services for every change that is created in the AWS repo.
- By implementing this project, I have gained experience not only in Multi-Tier Architecture Application CI/CD but also in Kubernetes, Containers, Container Orchestration and GitOps.

Flask App with MySQL Docker Setup

- Implemented End to End CI/CD Pipeline for a Two-Tier Flask app. This Application comprises 2 Microservices each written in python language and there is MySQL Database for Storing the User input over Web UI.
- Created the pipeline for Python Application using AWS CI Pipeline and Deployed the microservices on to the Elastic Kubernetes Service (EKS).
- Experience in Implementation advanced CD architecture using GitOps and deploying services for every change that is created in the GitHub repository.
- By implementing this project, I have gained experience not only in Multi-Tier Architecture Application CICD but also in Kubernetes Persistent Volume and Persistent Volume Claim, Configmap, and Secret.

DevSecOps — End to End CICD Project

- Designed and implemented a Declarative Jenkins CI/CD pipeline using DevSecOps principle for a Three-Tier Architecture Application.
- Used SonarQube for Code Quality Analysis for the code coming from the AWS repository, OWASP for dependency check (For the libraries getting used in this application) and Trivy to scan the application image (build using docker) for the vulnerability if available.
- Post analysis fixed the issues with code and vulnerability present in the docker image. Then deployed the application on the AWS.

EDUCATION:

BACHELOR OF ENGINEERING:

University : Anna University, Chennai

Stream : Electronics and Communication Engineering (ECE)

YEAR OF PASSING	PERCENTAGE OBTAINED	CLASS
June - 2017	7.9 (Aggregate)	First Class

ACHIEVEMENTS:

- Red Hat Certified System Administrator (RHCSA), Certification No: 230-109-217
- Docker Certification
- Participated in the Workshop on Recent Trends in Wireless Communication in the 6th National Technical Symposium AGNIMITHRA on March 2016.
- Completed vocational training in BSNL (Bharat Sanchar Nigam Limited) in June 2016.