

# DEVOPS

CERTIFICATE NUMBER : CERT20230707847



This is to certify that :

**Afriyadi**

Has completed a 32 hours program of DEVOPS Training at the IDN.ID Training Center, Jakarta, on 31 Juli, 1, 2, 3 Agustus 2023  
The student was able to obtain proficiency :

**Module 1. Introduction DevOps Concept**

- Understand DevOps, its roles and responsibilities
- DevOps problems and solutions
- How to implement CI/CD on DevOps Environment
- DevOps Tools
- Module 2. Git : Version Control System
- Introduction of Version Control System
- Introduction Source Code Management
- How Git Works
- Working locally with Git
- Working remotely with Git
- Branching & Merging
- Resolve Merging Conflict

**Module 3. Github : Source Code Management**

- Collaboration with Github
- Working with Github Organization
- Module 4. SonarQube : Testing & Code Analysis
- Unit Testing
- Integration Testing
- Code Analyst

**Module 5. Docker : Containerization**

- Containerization Introduction.
- Docker Introduction
- Docker Installation
- Docker Command
- Docker Images & Container
- Create own Image with Dockerfile
- Docker Registry
- Docker Volume
- Docker Networking
- Docker Compose

**Module 6. Jenkins : CI/CD Tools**

- Introduction CI/CD.
- Installation and Setup Jenkins.
- Jenkins Continuous Testing integration unit testing, integration testing, and code analysis
- Module 7. Prometheus : Monitoring System
- Introduction to Systems and Service Monitoring
- Introduction to Prometheus
- Installing and Setting Up Prometheus
- Module 8. Grafana : Dashboard
- Installing and Setting Up Grafana
- Visualized monitoring system (Grafana)
- integration Prometheus and Grafana

3 Agustus 2023



**IDN.networkers**  
Indonesian IT Expert Factory

Dedi Gunawan

CEO of IDN.ID Training Center