

# DEVOPS

CERTIFICATE NUMBER : CERT20231209370



This is to certify that :

**Maulana Kevin Pradana, S.Kom, MTA**

Has completed a 32 hours program of DEVOPS Training at the IDN.ID Training Center, Jakarta, on 11, 12, 13, 14 Desember 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

14 Desember 2023



**Dedi Gunawan**

CEO of IDN.ID Training Center