

### **DEVOPS ENGINEER**

# **Akmal** Ikhsan

I am a DevOps Engineer with experience in dumbways bootcamp automating and optimizing server infrastructure, keep learning and acquiring new knowledge and skills, i'm under pressure to learn quikly, interested in new Technology and enjoy working in the IT industry.

### Contact

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https://github.com/AkmalFounder

in https://www.linkedin.com/in/akmal-ikhsan/

### **Achievements**

- Top Social Project Innovilage with the title **Automatic Feeding Box**
- The best team at the Unpad Himatif Festival Informatics Technopreneur 2020

### Skills

- Nginx
- Web Design
- Microsoft Office
- PHP
- **Ansible**
- Cloud Computing Docker
- OOP

- Laravel
- Mysql
- Linux
- Monitoring(Grafana, Prometheus)
- CI/CD(Jenkins, Cloudflare)
- Design

### **Education**

MA. UMMUL QURO AL-ISLAMI

2015-2018 SCIENCE ONE

**TELKOM UNIVERSITY** 

2018-2022 S1 TEKNIK INFORMATIKA

### **Experience**

(2021)

#### PRACTICAL WORK AT TELKOM CYBER **PHYSICAL SYSTEM**

- Create TA Database System
- · Make the process of tracking TA student Informatics data by scraping

(2022)

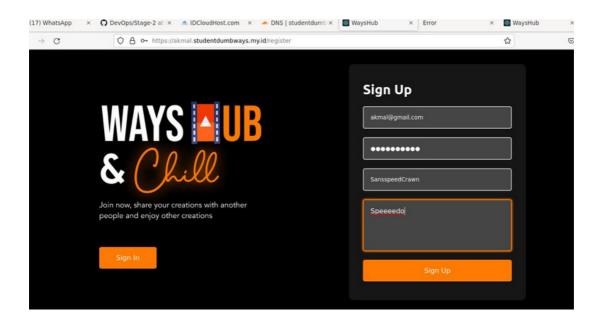
#### **FOLLOWING BOOTCAMP DUMBWAYS**

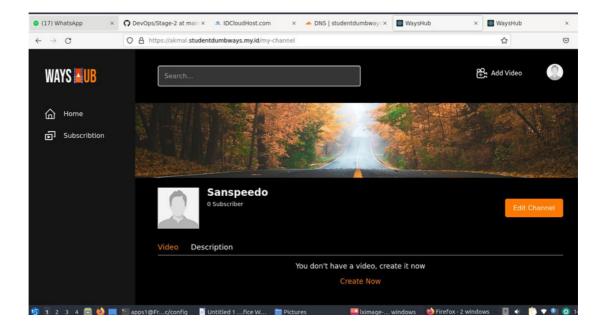
- Maintaned Git workflows for version control(Source Code Management)
- Developed and maintained automated CI/CD pipelines for codes deployment using Jenkins
- Provisioned Servers and deployed features using Ansible
- Built and deployed Docker containers for implementing Microservice Architecture from Monolithich Architecture
- Orchesrated Docker container cluster using Docker Swarm

# PORTOFOLIO

### **DEVOPS**

# Wayshub app deployment

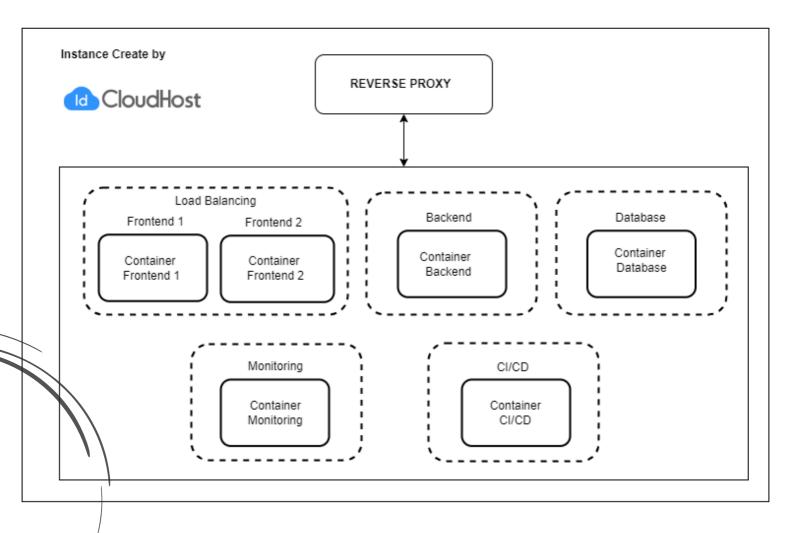




### **Architecture**

Application is running at IDCloudhost server. Implementing load balancing for frontend server, so the server will share load and stabilize server and also if a server is down the others can work as backup server.

All application are packed in container using Docker. Automated updates using CI/CD Jenkins. Server is monitored by Prometheus and Grafana.

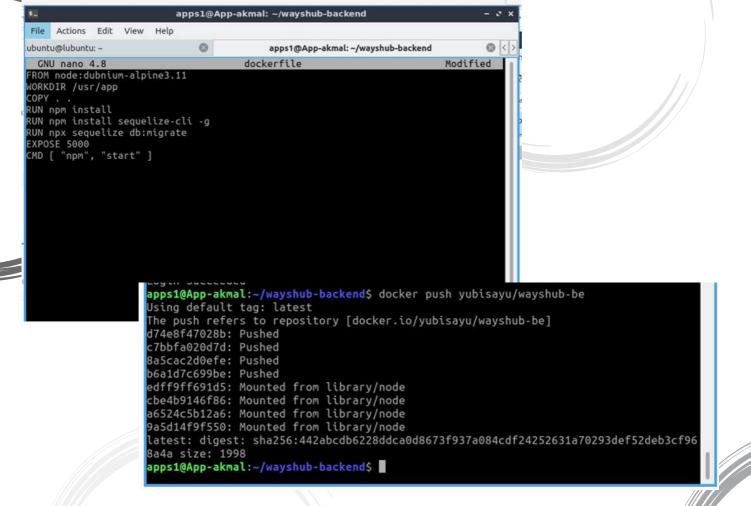


## **ANSIBLE**

Created ansible configuration will be executed to apply all server requirements like installation docker, making docker container for node exporter, prometheus, jenkins, and grafana.

### **DOCKER**

make it easy to develop, build, deploy, run, update and manage containers dependencies required to run that code in any environment..



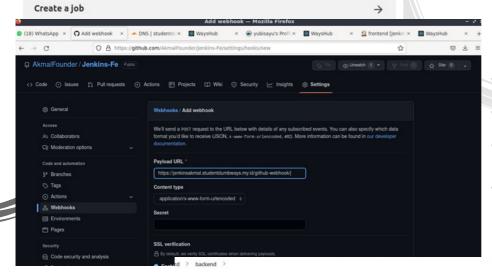


make it easy to develop, build, deploy, run, update and manage containers dependencies required to run that code in any environment..

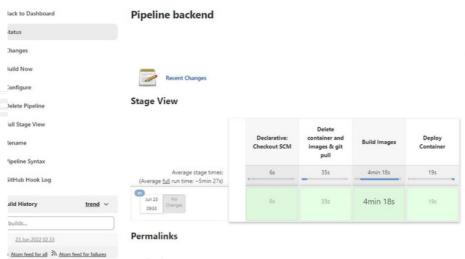
#### Welcome to Jenkins!

This page is where your Jenkins jobs will be displayed. To get started, you can set up distributed builds or start building a software project.

#### Start building your software project

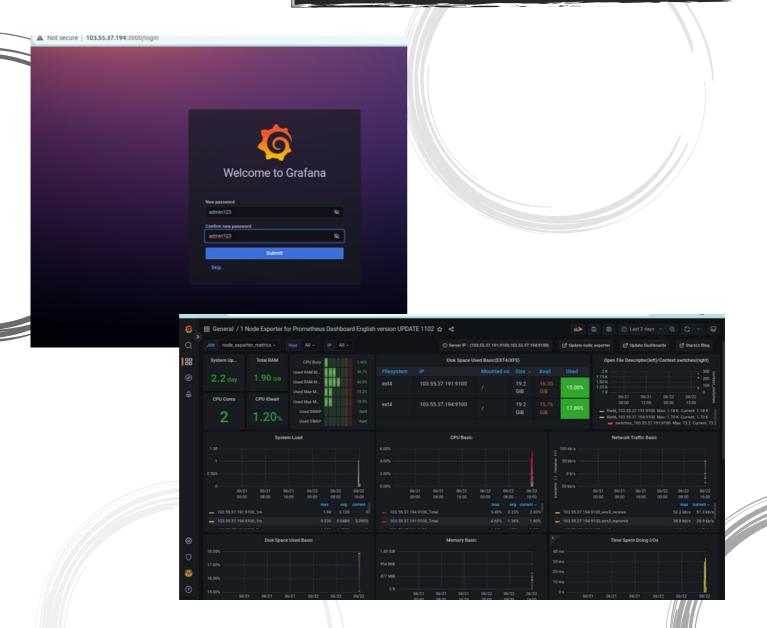


Integrate GitHub repository with Jenkins Job, so that when source code is changed webhook will trigger Jenkins Job.



# **MONITORING**

With the Combination of Prometheus and Grafana, we can create a nice looking server monitoring



TOOL USED

