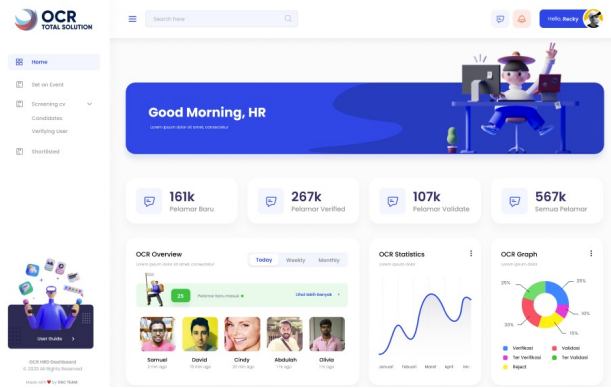


PORTFOLIOS

OCR SOLUTIONS



Use Case : OCR Solutions (Recruitment)

Buildwith Technologies

Front-end : NextJS

Back-end : Go, Python

Database : postgres, mysql

Streaming : Kafka, RabbitMQ

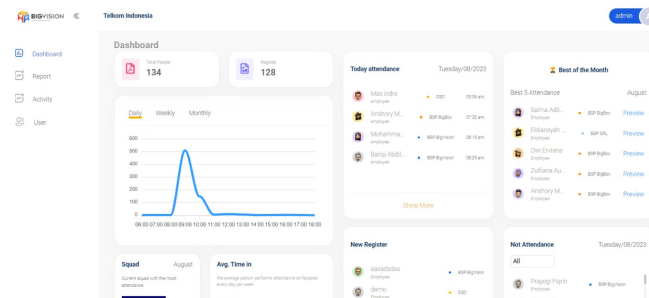
AI : Tesseract, easyOCR

Infrastructure & Deployment : AWS, Ecosystem

Version Control & Collaboration : Gitlab, CI/CD, Jira

Orchestration : Docker & Kubernetes

VMS ATTENDANCES TELKOM KBB



Use Case : Visitor Management System & Absence

Buildwith Technologies

Front-end : NextJS

Back-end : Python - Fastapi (Gunicorn), Sanic

Database : Redis, mysql

Storage : MiniO S3

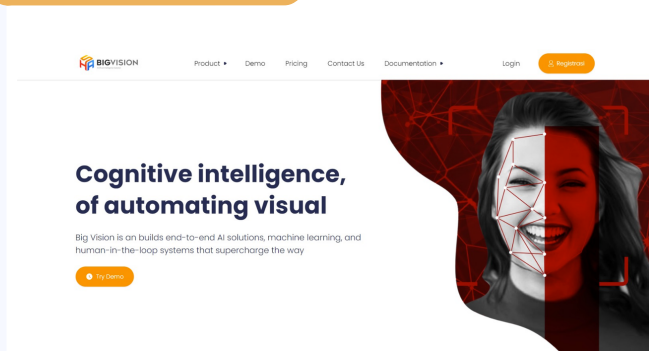
AI : Face Analysis (Liveness, Emotion, etc..)

Infrastructure & Deployment : AWS, Ecosystem

Version Control & Collaboration : Gitlab, CI/CD, Jira

Orchestrations : Docker & Kubernetes

SAAS - BIGVISION



Use Case : SaaS Computer Vision & Solutions

Buildwith Technologies

Front-end : NextJS

Back-end : Python, Go, Rust, C++, Cython

Database : Redis, mysql, postgres

IaM & API Gateway : Keycloak, Envoy

Storage : MiniO S3

Streaming : Kafka, RabbitMQ, Redpandas, JanusRTC

AI Service : OCR, Face Analysis, Object Detection

Scope : B2B, B2G

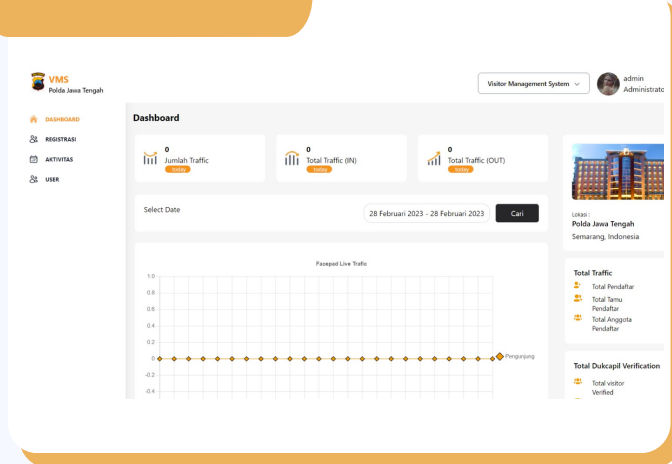
Infrastructure & Deployment : AWS, Ecosystem

Version Control & Collaboration : Gitlab, CI/CD, Jira

Orchestrations : Docker & Kubernetes

PORTFOLIOS

VMS POLDA JATENG



Use Case : Visitor Management System

Buildwith Technologies

Front-end : NextJS

Back-end : Python - Fastapi (Gunicorn), Sanic

Database : Redis, mysql

Storage : MiniO S3

Streaming : Kafka, RabbitMQ

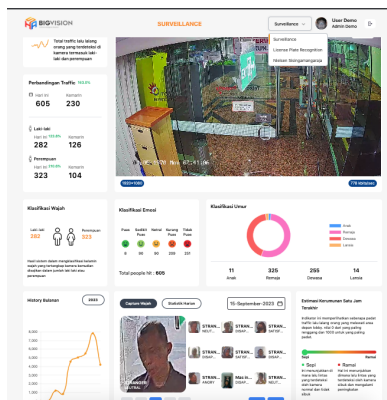
AI : Face Analysis (Recog, Liveness, Emotion, etc..)

Infrastructure & Deployment : AWS, Ecosystem

Version Control & Collaboration : Gitlab, CICD, Jira

Orchestrations : Docker & Kubernetes

FACE SURVEILLANCE & BIOMETRICS



Use Case : Face Surveillance & Biometrics

Buildwith Technologies

Front-end : NextJS

Back-end : Python - Fastapi (Gunicorn), Sanic

Database : Redis, mysql, Vector DB

Storage : MiniO S3

Streaming : Kafka, RabbitMQ

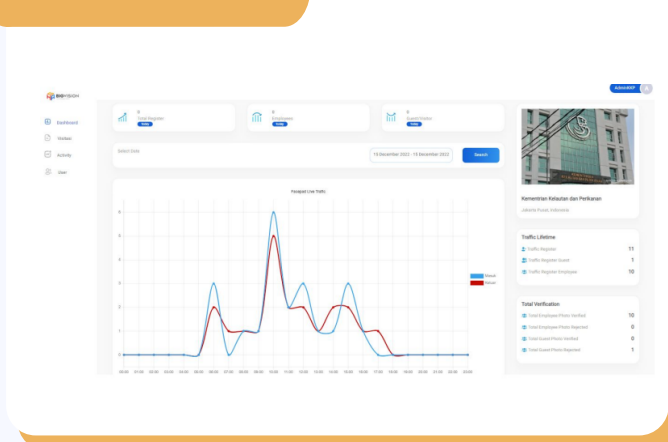
AI : Face Recognition, Face Analysis, Face Counting

Infrastructure & Deployment : AWS, Ecosystem

Version Control & Collaboration : Gitlab, CICD, Jira

Orchestrations : Docker & Kubernetes

VMS - KEMENTERIAN KELAUTAN DAN PERIKANAN



Use Case : Visitor Management System - Access

Buildwith Technologies

Front-end : NextJS

Back-end : Python - Fastapi (Gunicorn), Sanic

Database : Redis, mysql

Storage : MiniO S3

Streaming : Kafka, RabbitMQ

AI : Face Analysis (Recog, Liveness, Emotion, etc..)

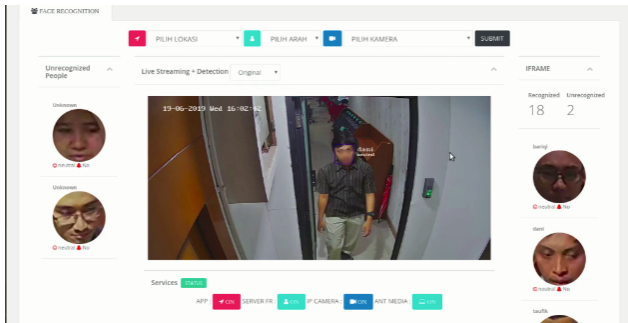
Infrastructure & Deployment : AWS, Ecosystem

Version Control & Collaboration : Gitlab, CICD, Jira

Orchestrations : Docker & Kubernetes

PORTFOLIOS

FACE SURVEILLANCE STO - GAMBIR



Use Case : Face Surveillance STO Gambir

Buildwith Technologies

Front-end : NextJS

Back-end : Python - Fastapi (Gunicorn), Sanic

Database : Redis, mysql, Vector Similarity DB

Storage : MiniO S3

Streaming : Kafka, RabbitMQ

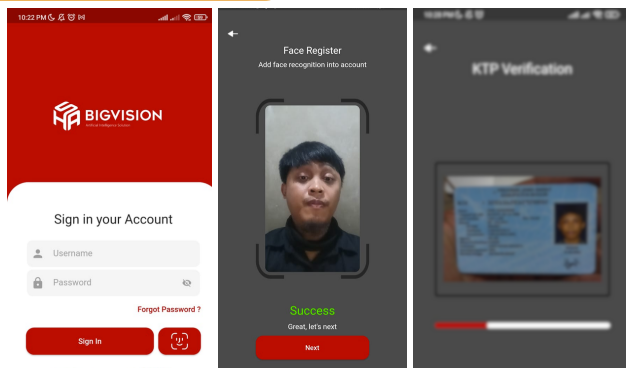
AI : Face Recognition, Face Analysis, Face Counting

Infrastructure & Deployment : AWS, Ecosystem

Version Control & Collaboration : Gitlab, CICD, Jira

Orchestrations : Docker & Kubernetes

EKYC SOLUTIONS



Use Case : eKYC Solutions

Buildwith Technologies

Front-end : NextJS

Back-end : Python - Fastapi (Gunicorn), Sanic

Database : Redis, mysql

Storage : MiniO S3

Streaming : Kafka, RabbitMQ

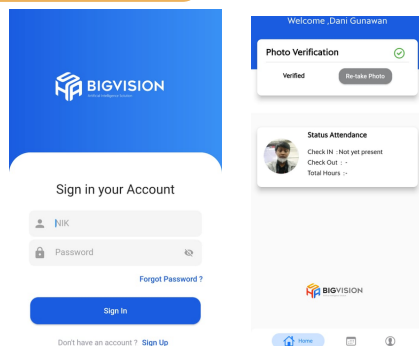
AI : Face Recognition, Face Analysis, Face Counting

Infrastructure & Deployment : AWS, Ecosystem

Version Control & Collaboration : Gitlab, CICD, Jira

Orchestrations : Docker & Kubernetes

VMS - MOBILE



Use Case : VMS Mobile

Buildwith Technologies

Front-end : NextJS

Back-end : Python - Fastapi (Gunicorn), Sanic

Database : Redis, mysql

Storage : MiniO S3

Streaming : Kafka, RabbitMQ

AI : Face Recognition, Face Analysis

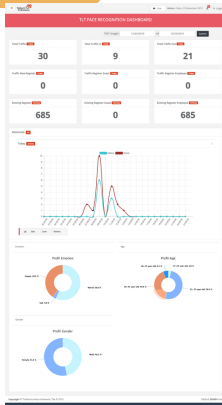
Infrastructure & Deployment : AWS, Ecosystem

Version Control & Collaboration : Gitlab, CICD, Jira

Orchestrations : Docker & Kubernetes

PORTFOLIOS

FACE SURVEILLANCE TELKOM GATSU



Use Case : Face Surveillance Telkom Gatsu

Buildwith Technologies

Front-end : NextJS

Back-end : Python - Fastapi (Gunicorn), Sanic

Database : Redis, mysql

Storage : MiniO S3

Streaming : Kafka, RabbitMQ

AI : Face Recognition, Face Analysis, Face Counting

Infrastructure & Deployment : AWS, Ecosystem

Version Control & Collaboration : Gitlab, CICD, Jira

Orchestrations : Docker & Kubernetes

SAI20



Use Case : SAI20 DX

Buildwith Technologies

Front-end : NextJS

Back-end : Go, Python

Database : postgres

Storage : MiniO S3

Streaming : Kafka

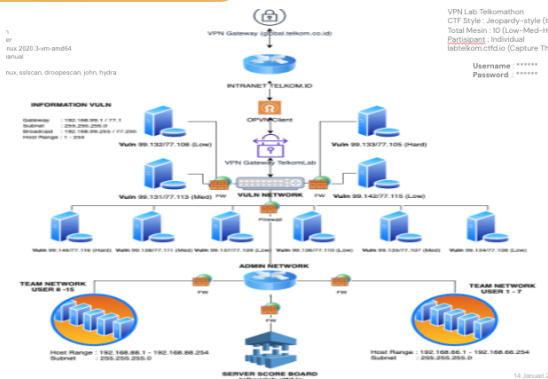
AI : Face Recognition, Object Counting

Infrastructure & Deployment : AWS, Ecosystem

Version Control & Collaboration : Gitlab, CICD, Jira

Orchestrations : Docker & Kubernetes

2ND WINNER TELKOMATHON CYBERSECURITY CTF



Use Case : TelkomAthon CyberSecurity (2nd Winner)

CTF Flag (low-medium-hard) machines

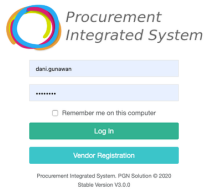
Link PPT : [Click](#)

Link CTF Scoreboard : [Click](#)

Link Certification : [Click](#)

PORTFOLIOS

PROCUREMENT INTEGRATED SOLUTIONS



Use Case : Procurement Integrated System

Buildwith Technologies

Front-end : ERB, Typescripts, RWD

Back-end : Ruby On Rails + Modular system

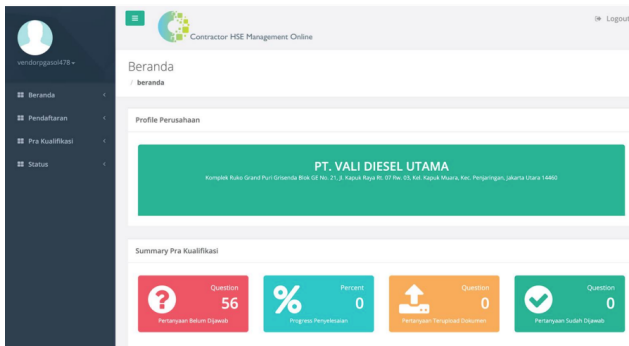
Database : mysql, sqlserver, oracledb

Infrastructure & Deployment : Ecosystem

Version Control & Collaboration : Bitbucket, CICD

Orchestrations : Docker

CONTRACTOR HSE MANAGEMENT ONLINE



Use Case : Contractor HSE Management Online

Buildwith Technologies

Front-end : ERB, Typescripts, RWD

Back-end : Ruby On Rails

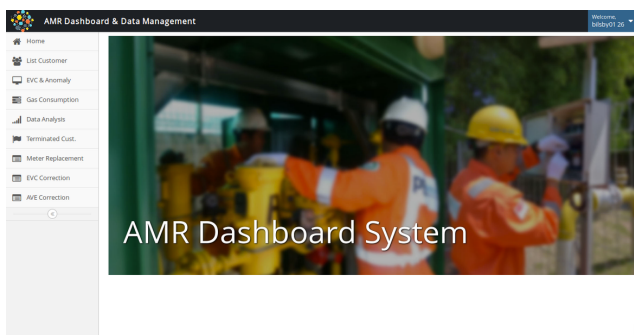
Database : mysql, sqlserver, oracledb

Infrastructure & Deployment : Ecosystem

Version Control & Collaboration : Bitbucket, CICD

Orchestrations : Docker

AUTOMATIC METER READING GAS PGN



Use Case : Automatic Meter Reading Gas PGN

Buildwith Technologies

Front-end : HTML + CSS + JS + RWD

Back-end : PHP Codeigniter

Database : mysql, sqlserver, oracledb

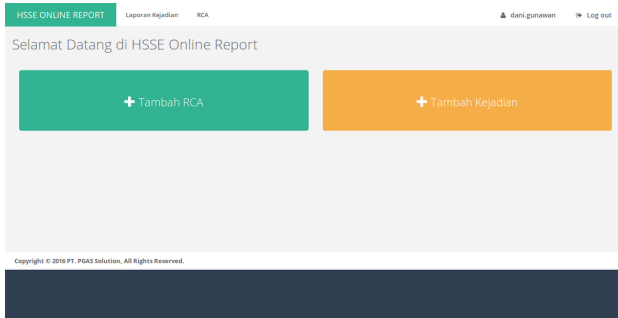
Infrastructure & Deployment : Ecosystem

Version Control & Collaboration : Bitbucket, CICD

Orchestrations : Docker

PORTFOLIOS

HSSE ONLINE



Use Case : HSSE Online System

Buildwith Technologies

Front-end : ERB, Typescripts, RWD

Back-end : Ruby On Rails

Database : mysql

Infrastructure & Deployment : Ecosystem

Version Control & Collaboration : Bitbucket, CICD

Orchestrations : Docker

KOBO ROBOT MINI STUDIO LIVE

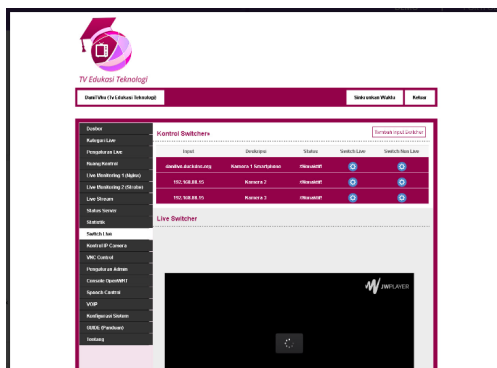


Use Case : Kobo Robot Mini Studio Live

IoT Device : HG553 + OpenWRT, Sensor Component, and mores...

Link Demo : [Click](#)

KOBO ROBOT - BACKEND SYSTEM



Use Case : Kobo Robot - Backend System

Buildwith Technologies

Front-end : HTML5, JS , CSS3 , RWD modular

Back-end : PHP Native, ShellExec, RestService

Database : mysql

Streaming : Wowza, NginxRTMP

Infrastructure & Deployment : AWS, Ecosystem

Version Control & Collaboration : Gitlab, CICD, Jira

Orchestrations : Docker & Kubernetes

PORTFOLIOS

BOOKING CLINIC - QUEUE MANAGEMENT SYSTEM



Use Case : Booking Clinic - Queue System

Buildwith Technologies

Front-end : Blade, HTML5, JS , CSS3 , RWD modular

Back-end : Laravel Server-Side

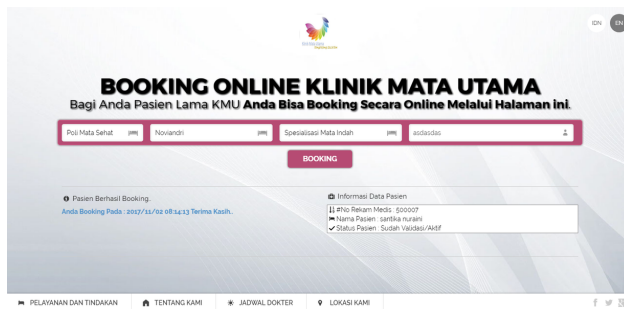
Database : mysql

Infrastructure & Deployment : VPS

Version Control & Collaboration : Gitlab, CI/CD, Jira

Orchestrations : Docker

BOOKING CLINIC - FRONT SYSTEM



Use Case : Booking Clinic - Queue System

Buildwith Technologies

Front-end : Blade, HTML5, JS , CSS3 , RWD modular

Back-end : Laravel Server-Side

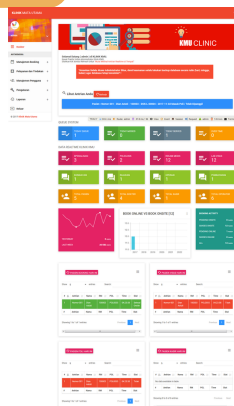
Database : mysql

Infrastructure & Deployment : VPS

Version Control & Collaboration : Gitlab, CI/CD, Jira

Orchestrations : Docker

BOOKING CLINIC - BACKEND ANALYTICS



Use Case : Booking Clinic - Backoffice system

Buildwith Technologies

Front-end : Blade, HTML5, JS , CSS3 , RWD modular

Back-end : Laravel Server-Side

Database : mysql

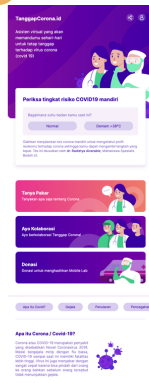
Infrastructure & Deployment : VPS

Version Control & Collaboration : Gitlab, CI/CD, Jira

Orchestrations : Docker

PORTFOLIOS

TANGGAPCORONA



Use Case : Tanggapcorona (Volunteer Project)

Buildwith Technologies

Front-end : ERB, Typescripts, RWD

Back-end : Ruby On Rails

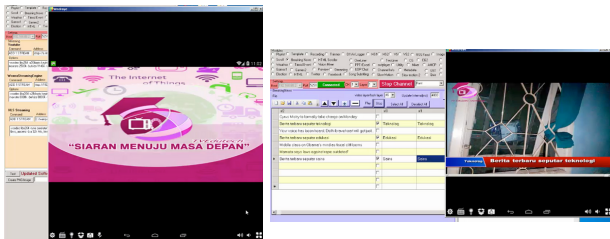
Database : mysql

Infrastructure Deployment : Google Cloud platform

Version Control & Collaboration : Gitlab, CICD, Jira

Orchestrations : Docker

KOBO - ANDROID LIVE STREAMING



Use Case : Kobo - Mobile Live Streaming

Buildwith Technologies

Android : Java Native

Back-end : PHP Native Modular

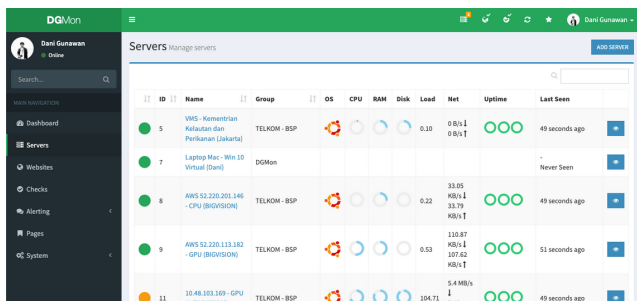
Database : mysql

Streaming : Wowza, NginxRTMP, CasparCG

Infrastructure & Deployment : VPS

Version Control & Collaboration : Gitlab

SERVER MONITORING, INCIDENT & EVENT MANAGEMENT SYSTEM



Use Case : Server Monitoring, Incident & Event Management System

Buildwith Technologies

Clientside-agent: NodeJS, electronjs, ShellScript

Back-end : PHP Modular FSOCKOPEN, EXEC, Cronjobs, mores..

Database : mysql

Infrastructure & Deployment : VPS

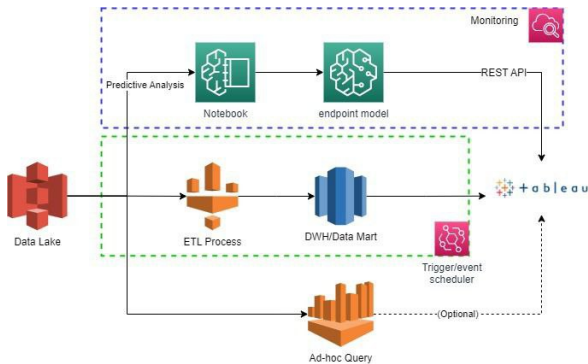
Version Control & Collaboration : Gitlab, CICD

Orchestrations : Docker

PORTFOLIOS

AWS ARCHITECTURE

POSINDO



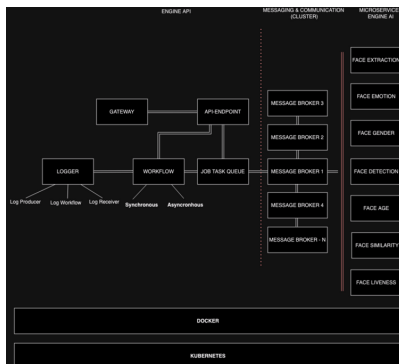
Use Case : AWS Architecture - POSINDO

Buildwith Technologies

Tools : Sagemaker + notebook, athena, glue, redshift, tableau, eventbridge, mores..

Infrastructure Deployment : AWS

MLOPS, MICROSERVICES AI ENGINE

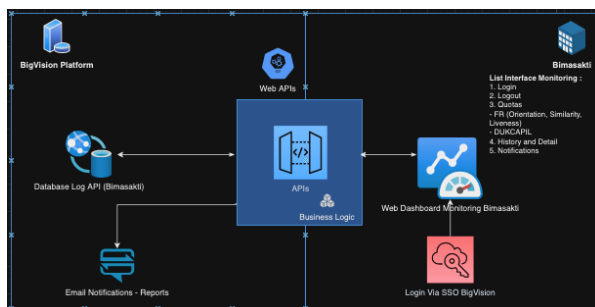


Use Case : MLOPS, Microservices AI - Engine

Infrastructure & Deployment : AWS, Ecosystem

Version Control & Collaboration : Gitlab, CI/CD, Jira

USECASE - TRAC ASTRA TO GO, API DASHBOARD MONITORING



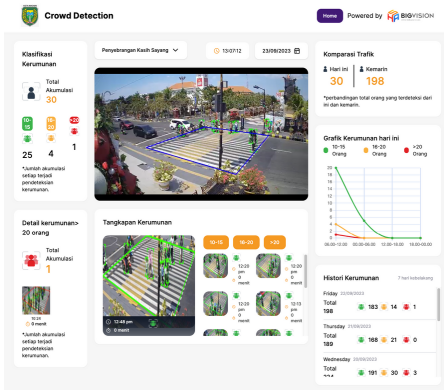
Use Case : Tract Astra ToGo - API Dashboard Monitoring

Infrastructure & Deployment : AWS, Ecosystem

Version Control & Collaboration : Gitlab, CI/CD, Jira

Orchestrations : Docker & Kubernetes

CROWD DETECTION - MADIUN



Use Case : Crowd Detection - Madiun

Buildwith Technologies

Front-end : NextJS

Back-end : GO, Python, C++

Database : pgsql, mysql

Storage : Mini0 S3

Streaming : Kafka, RabbitMQ, MediaMTx, JanusRTC

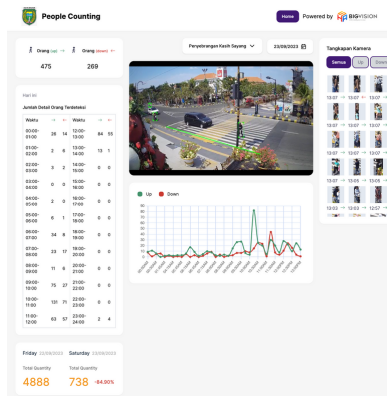
AI : Yolo

Infrastructure & Deployment : AWS, Ecosystem

Version Control & Collaboration : Gitlab, CI/CD, Jira

Orchestrations : Docker & Kubernetes

PEOPLE COUNTING - MADIUN



Use Case : People Counting - Madiun Buildwith Technologies

Front-end : NextJS

Back-end : GO, Python, C++

Database : pgsql, mysql

Storage : MiniO S3

Streaming : Kafka, RabbitMQ, MediaMTx, JanusRTC

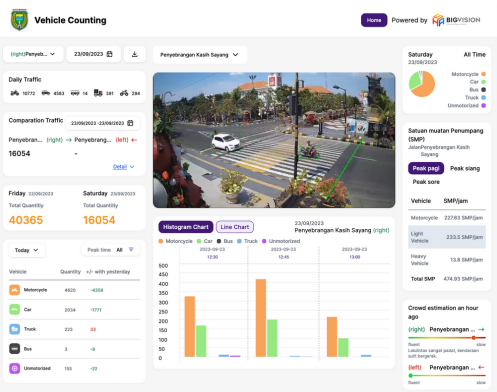
AI : Yolo

Infrastructure & Deployment : AWS, Ecosystem

Version Control & Collaboration : Gitlab, CI/CD, Jira

Orchestrations : Docker & Kubernetes

VEHICLE COUNTING - MADIUN



Use Case : People Counting - Madiun Buildwith Technologies

Front-end : NextJS

Back-end : GO, Python, C++

Database : pgsql, mysql

Storage : Mini0 S3

Streaming : Kafka, RabbitMQ, MediaMTx, JanusRTC

AI : Yolo

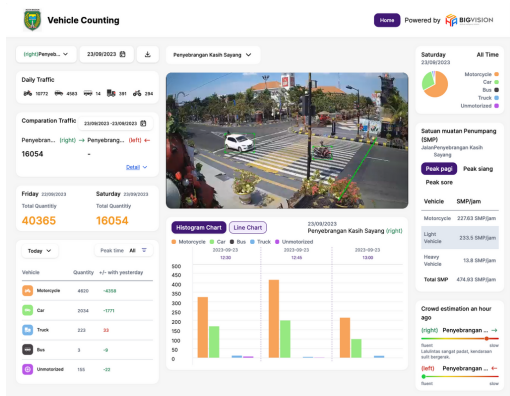
Infrastructure & Deployment : AWS, Ecosystem

Version Control & Collaboration : Gitlab, CI/CD, Jira

Orchestrations : Docker & Kubernetes

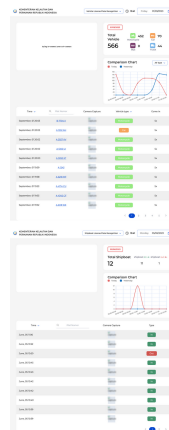
PORTFOLIOS

PEOPLE COUNTING - DISHUB BANDUNG



Use Case : People Counting - Dishub Bandung
Buildwith Technologies
Front-end : NextJS
Back-end : GO, Python
Database : postgres, mysql
Storage : MiniO S3
Streaming : Kafka, RabbitMQ, MediaMTx, JanusRTC
AI : Yolo
Infrastructure & Deployment : AWS, Ecosystem
Version Control & Collaboration : Gitlab, CICD, Jira
Orchestrations : Docker & Kubernetes

VEHICLE & SHIPBOAT MONITORING - KKP



Use Case : People Counting - Madiun
Buildwith Technologies
Front-end : NextJS
Back-end : GO, Python
Database : postgres, mysql
Storage : MiniO S3
Streaming : Kafka, RabbitMQ, MediaMTx, JanusRTC
AI : Yolo, LPR, Vehicle & Shipboat Counting
Infrastructure & Deployment : AWS, Ecosystem
Version Control & Collaboration : Gitlab, CICD, Jira
Orchestrations : Docker & Kubernetes

SAI20 - VULNERABILITY ASSESSMENT & REMEDATION



Use Case : Collaborating with BSSN for security assessment, I have successfully conducted system remediation.

Link Demo : [Click](#)