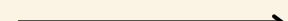


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My
PORTFOLIO

BY IHAB HASANAIN



introduce **ABOUT ME**

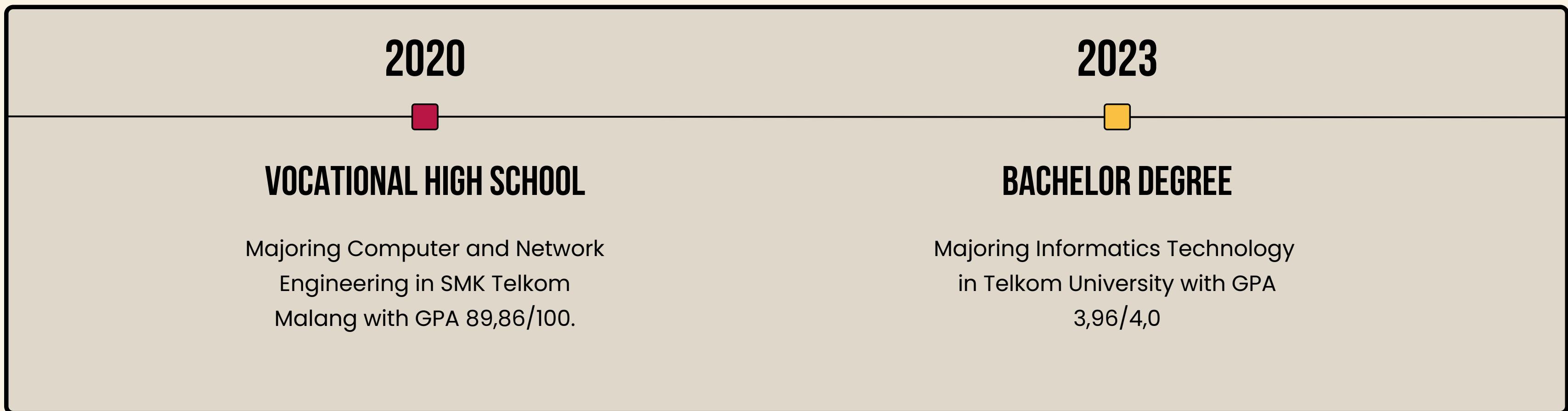
I'm **Ihab Hasanain**, driven by an academic foundation in **Informatics Technology**, I bring a deep curiosity and passion for network and technology. I am particularly drawn to the field of **Networking and DevOps**, where I can combine my technical skills and analytical thinking to build a reliable system infrastructure.



IHAB
HASANAIN



EDUCATION BACKGROUND



ACHIEVEMENT



2ND PRIZE REGION APAC

Won Huawei ICT Competition
2025 Network Track in Asia Pasific
Region



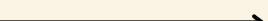
2ND WINNER NATIONAL

Won Huawei ICT Competition
2025 Network Track in Indonesia
Nation



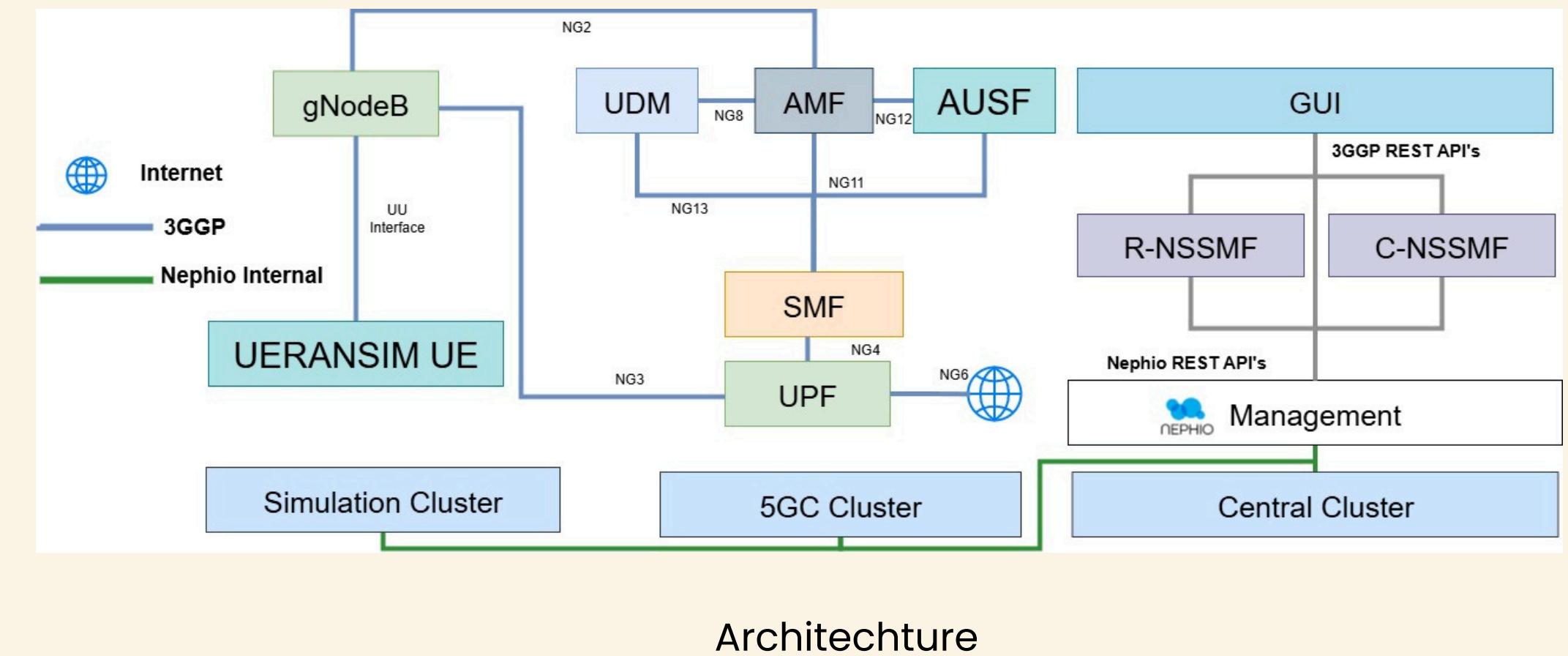
10TH BEST GRADUATE

Become one of Top 10 Best
Graduate in Highshcool

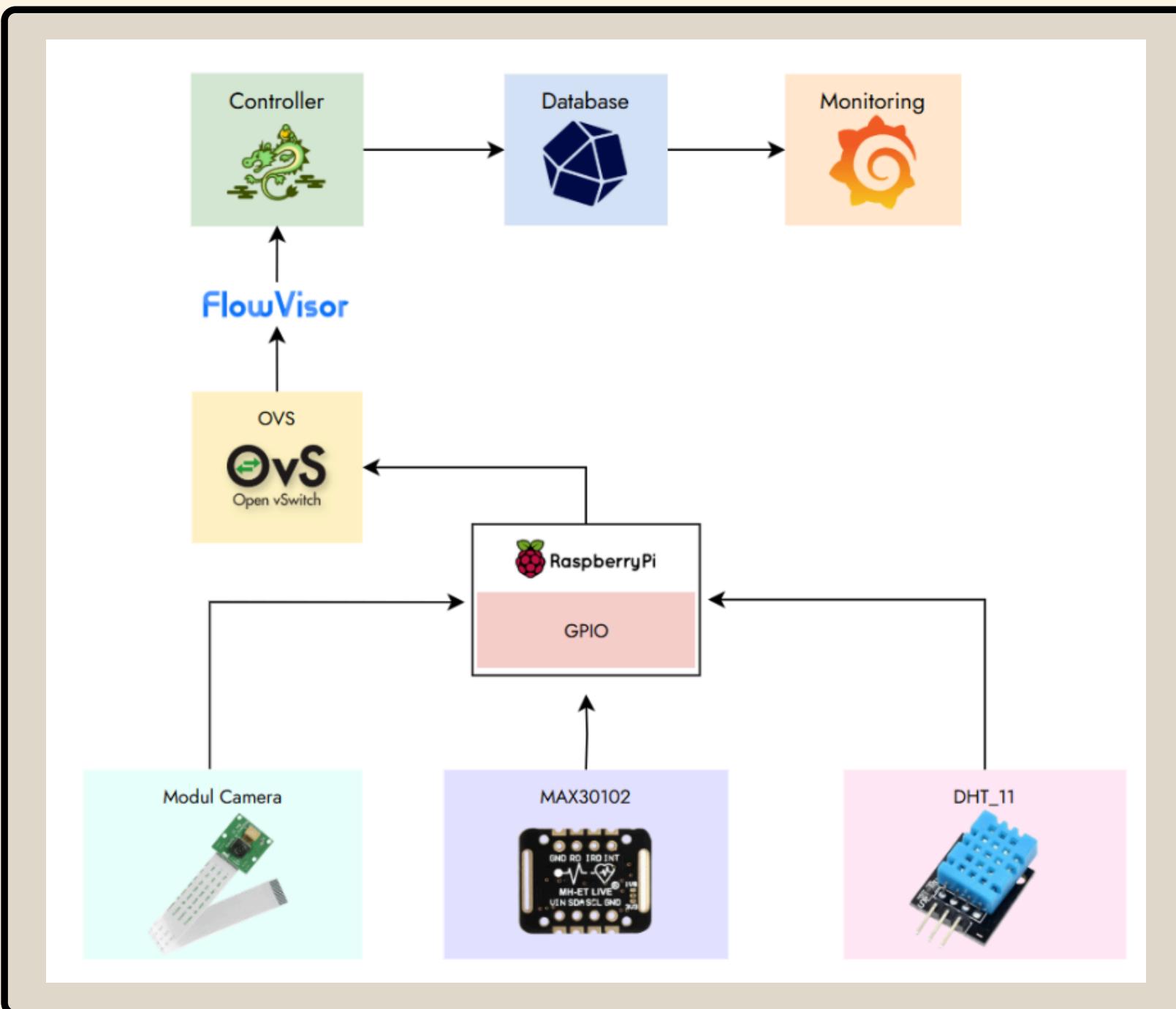


TRAFFIC LOAD-BASED "CELL SLEEP MODE" AUTOMATION

My personal research project of 5G, including 5GC and O-RAN. Focused on energy efficiency in RAN. Documentation.



Architecture



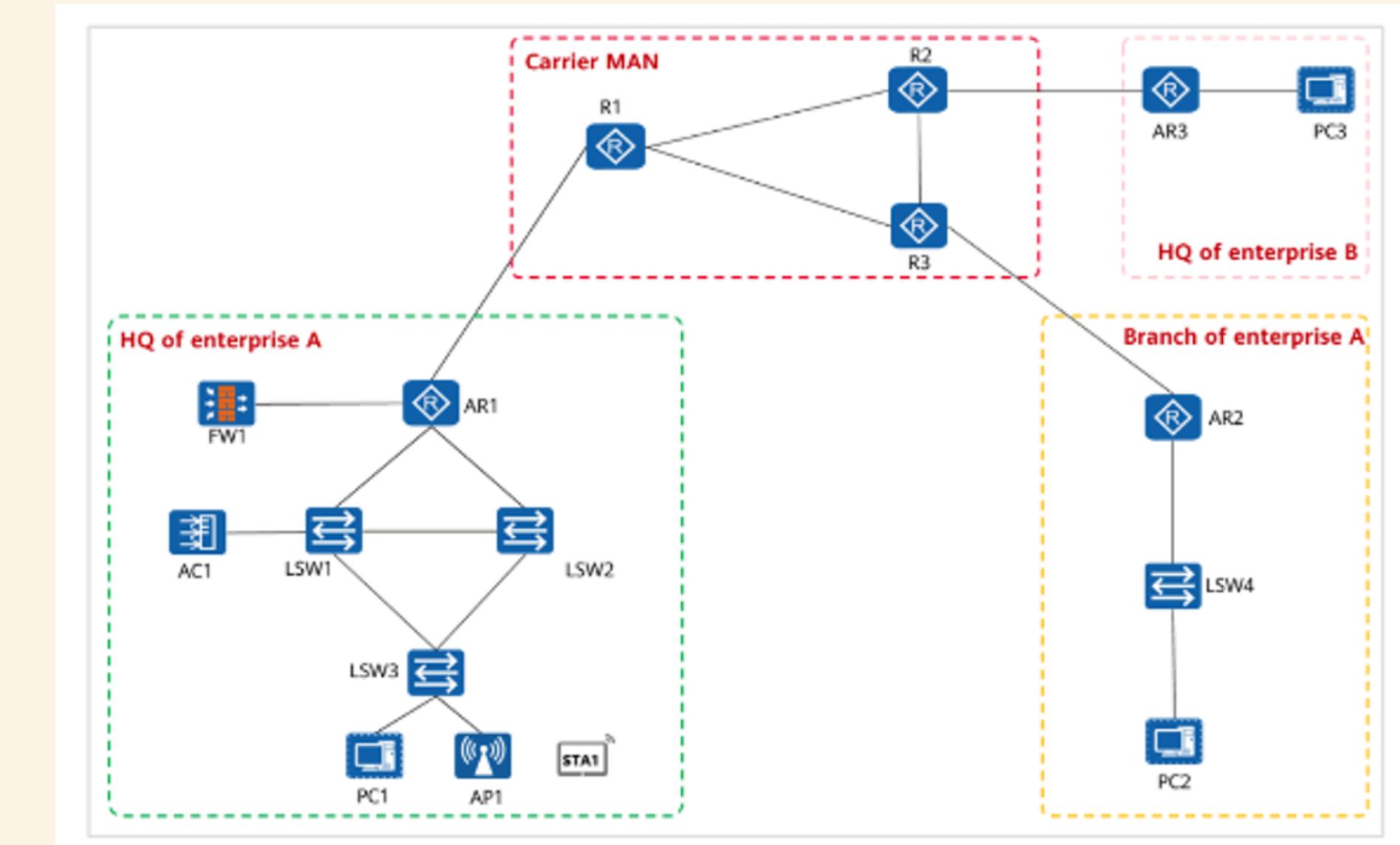
Architechture

SDN BASED IOT NETWORK

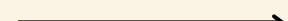
Turning the Ryu controller from monolithic based to microservice based. Then implementing it in real life case including the device, monitoring, and maintenance.

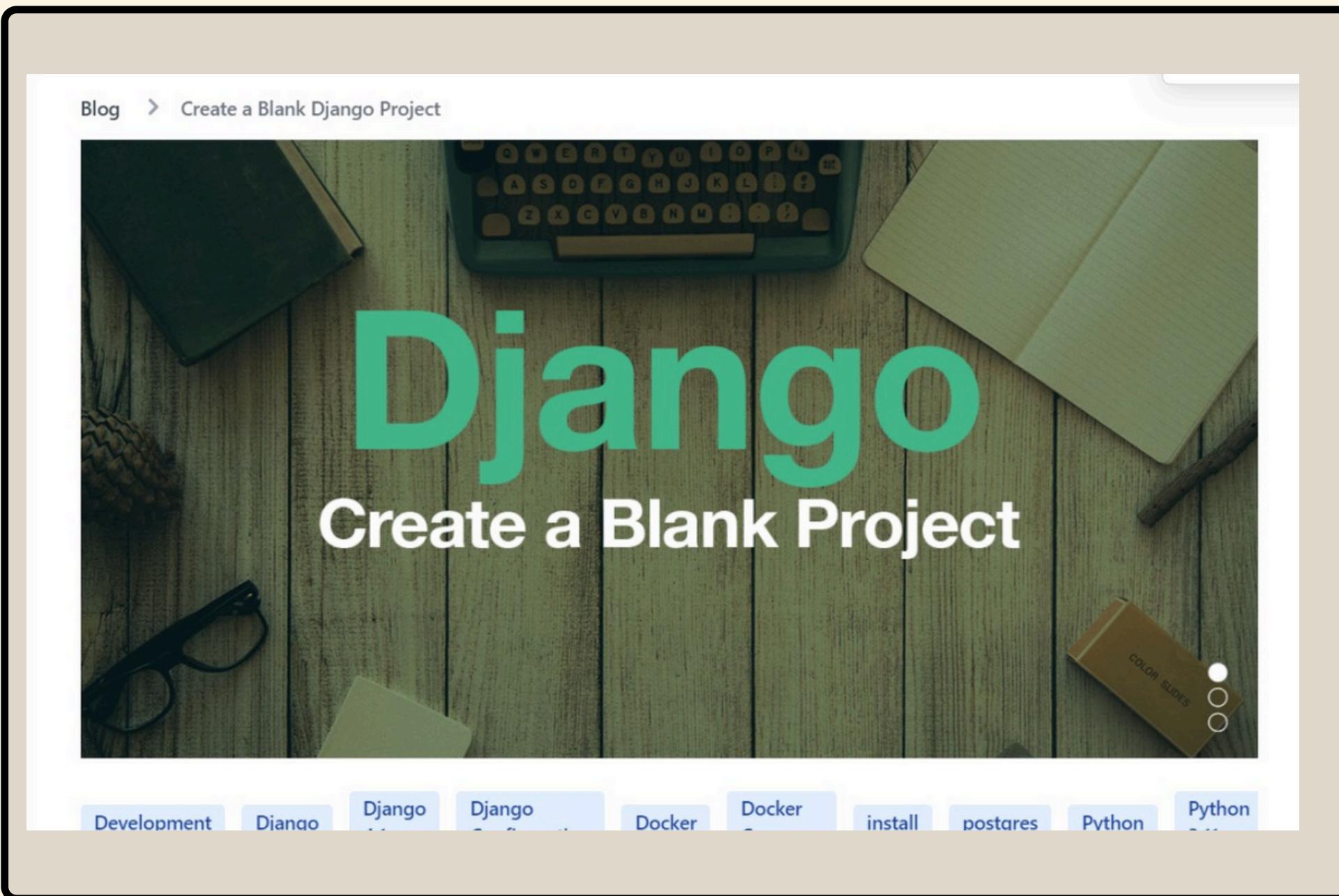
BUILDING FULL NETWORK ARCHITECTURE

Using ENSP (Huawei Network Simulator), I'm configuring from the device deployment, inter-hardware connection (Wired & Wireless), until security.



Architechture





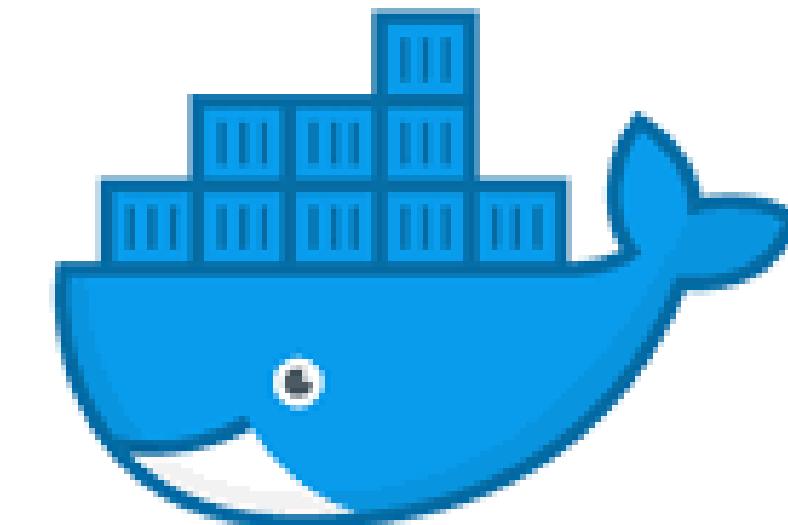
BUILDING SIMPLE WEB SERVER USING DJANGO

I documented my journey of learning django in [this link](#).



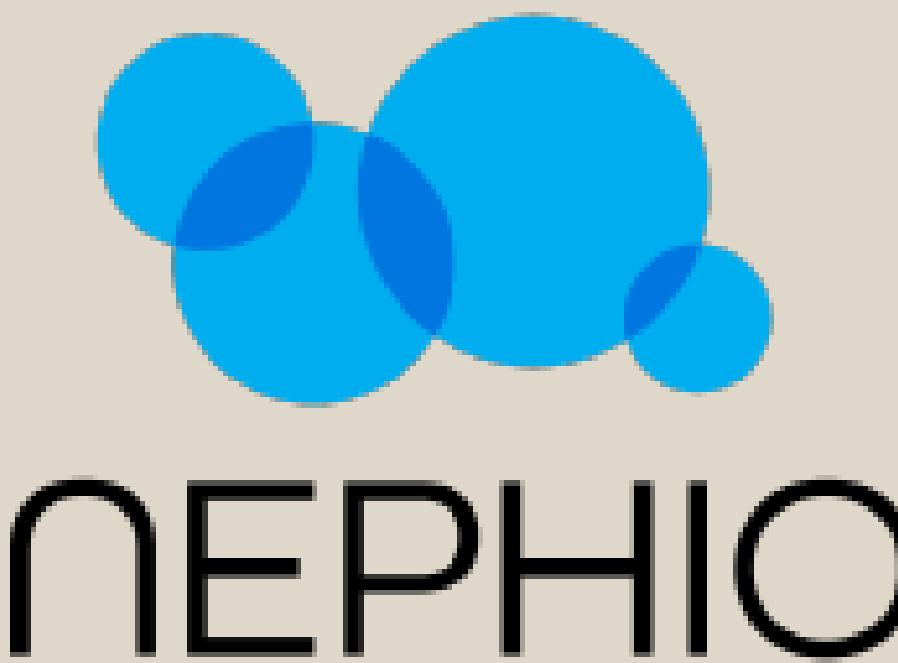
LEARNING CONTAINERIZATION

I documented my journey of learning containerization in [this link](#).



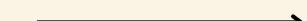
docker.





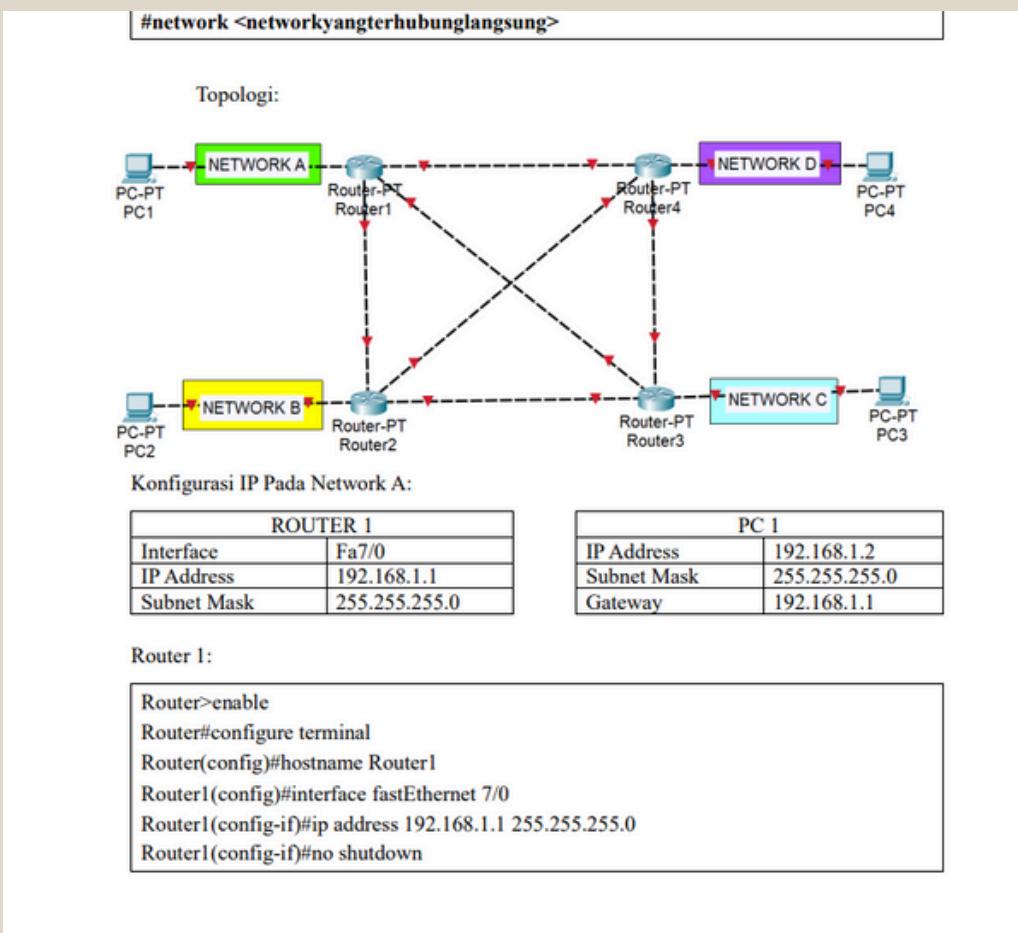
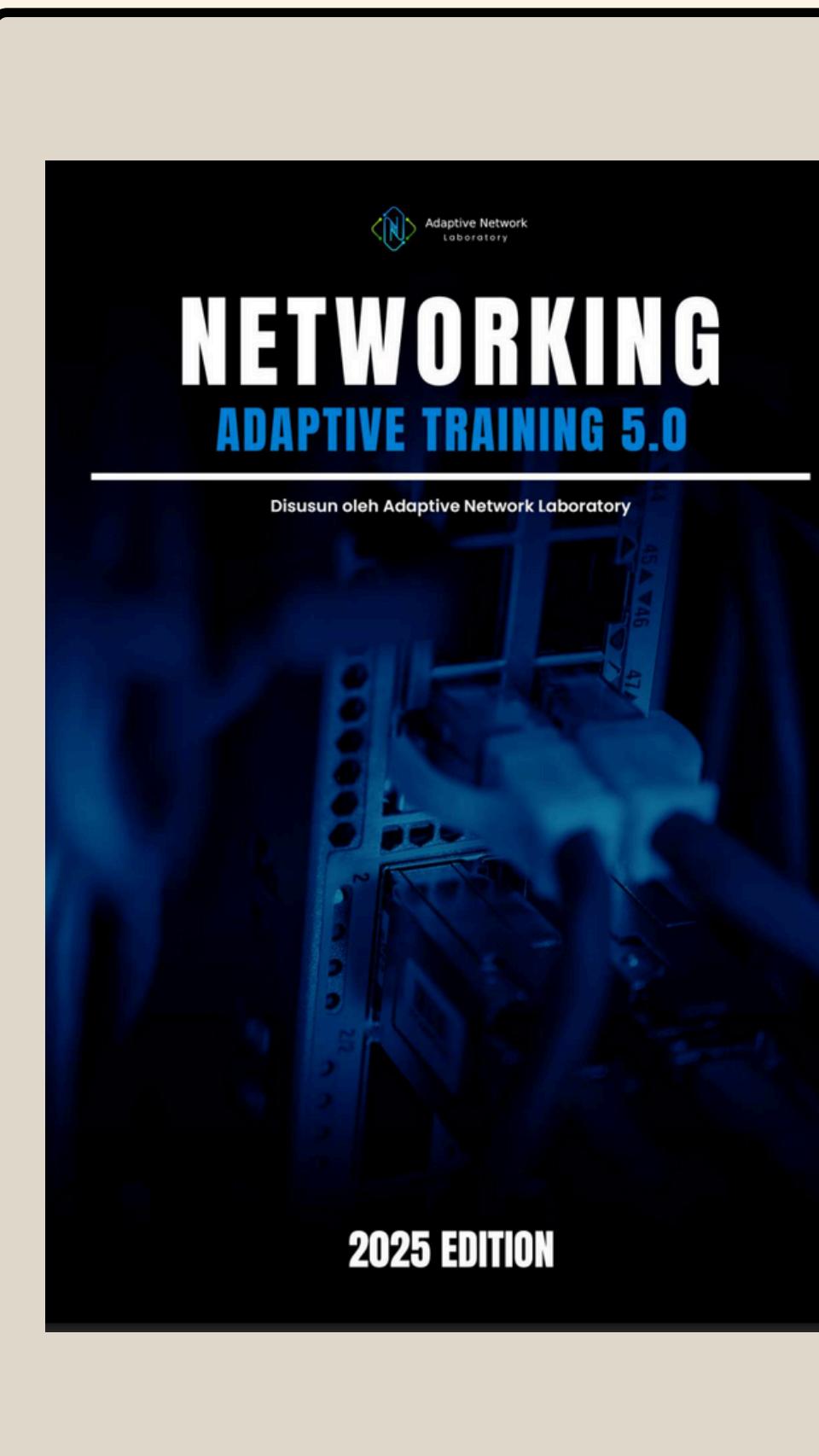
BUILDING AN SIMPLE AUTOMATIC CLOUD SERVICE

Using a kubernetes-based intent-driven automation of network functions, I'm built a local package management for containers, including local hosting repositories using GitTea.
[Documentation.](#)



MADE A NETWORKING MODULE

I'm one of an instructor of Adaptive Training 2025 for Networking, this module (166 pages) including introduction of networking, routing, switching, multi-vendor, etc. Due to the organizer's policy, I cannot share this module.

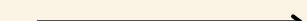




TensorFlow

BREAST CANCER CLASSIFIER

Using a TensorFlow, I made models based on DenseNet201 & VGG19 to classify USG image, Involving Deep Learning & Machine Learning.
[Documentation.](#)



let's work
TOGETHER