

Yehezkiel Wiradhika

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Summary

A **Fullstack Software Developer** focused on **Backend** with 4+ years of experience as developer, intern and volunteer • A **Cyber Security and DevOps Enthusiast** who sometimes build Machine Learning models to make Backend and Cyber Security systems smarter • A **Computer Science / Informatics Engineering Fresh Graduate** at **Institut Teknologi Sepuluh Nopember (ITS)**, Surabaya.

To learn more, visit yehezkiel-wiradhika.vercel.app [🔗](#).

Technologies

Languages: Go, Python, Node.js, Typescript, PHP, Bash, Java

Frameworks: Gin, Laravel, Express.js, Flask, Nextjs15

DevOps/Infra: Docker, Kubernetes, Github Actions, Nginx, RabbitMQ

Databases: Postgres, MySQL, MongoDB, Firebase, Redis

Cyber Security: Burp Suite, Metasploit, Wazuh, Snort, Cowrie, VirusTotal, AnyRun

Education

Institut Teknologi Sepuluh Nopember

July 2020 – Sept 2025

BS in Computer Science / Informatics Engineering

- **Coursework:** Cloud Computing (A), Network Security (A), Cryptography (A), Database Systems (A), Algorithms (A), Data Structures (A), Network Programming (A), Machine Learning (AB), Framework Based Programming (AB), Software/Application Security (AB), Requirement Engineering (AB)
- **Thesis:** Machine Learning, Frequent Pattern Mining and Statistical based Web Honeypot Attack Data Analysis: SNARE and Tanner

Ruang Guru Golang Backend Engineering Bootcamp

August 2022 – Dec 2022

Bootcamp / Apprenticeship in Backend Engineering

- GPA: 3.85/4.0 ([view certificate](#) [🔗](#))
- **Coursework:** Backend with Data Structures and Algorithms, Unit Testing (GinkGo), JWT, OAuth2, Concurrency, RESTful API, gRPC (microservice), MVC, Clean (Hexagonal) Architecture, ERM, Postgres, GORM, also Gin to DevOps such as Redis, Docker, Kubernetes, RabbitMQ, Grafana, and more.

Experience

Head of IT; Fullstack, DevOps and Security Engineer

Surabaya, East Java

Volvinco - freelance

Apr 2024 – present

- Built the entire IT infrastructure from scratch from Backend to Frontend, Cloud, DevOps with server security hardening and security best practices.
- Built three Fullstack Web Apps with one of them, Epipla got first place in national business competition, the other one (Muncak-kuy [e-commerce app]) got Rp. 10M funding.
- Increased Kos KaKa (A boarding house business based in Malang)'s management business efficiency with automation and visibility by building ERP Web App implementation.

Fullstack Engineer

Bekasi, West Java

PT. Kayaba Indonesia - internship

Aug 2023 – Dec 2023

- Designed (ERM, Flowchart, requirement gathering & analysis, and more) based on SDLC (Agile) method and implemented Training Center Administration ERP Fullstack Web App with LEMP stack by directly and continuously communicating with the head of IT department, head of recruitment and direct mentor(s).

- Increased PT. Kayaba's training efficiency by %.

Penetration Tester

Direktorat Pengembangan Teknologi dan Sistem Informasi (DPTSI) ITS

Surabaya, East Java

Sept 2024 – Jan 2025

- Security Tested 20 Web Applications. Found hundreds of small-medium and several high-critical level vulnerabilities such as Database Leak (SQLi) and Gained Admin Access (Broken Access Control).
- Utilized both automated (with tools like NMap, SQLMap, Nessus, Nikto, Dirsearch and more) and manual OWASP Pentest Methods (with tools like Burpsuite and OWASP Zap [for reconnaissance and spidering]) on both Network and Application sides.

Backend Developer

StudentsxCEOs League 2022

Surabaya, East Java

Sept 2024 – Jan 2025

- Fully Implemented Backend API with Nodejs, database with MongoDB and Mongoose
- Fully Implemented the API requests using Axios on the Frontend
- Fully implemented the registrations, authentication, RBAC authorization complete with validation and errors using React and Nodejs

To view more experience, visit [linkedin.com/in/yehezkiel-wiradhika/](https://www.linkedin.com/in/yehezkiel-wiradhika/) [🔗](#).

Projects

Kos KaKa Fullstack App: Go Clean (Hexagonal) Architecture based Boarding House App with REST API, Redis, JWT, OAuth2 and Chat Socket

2002

- Implemented Clean, specifically Hexagonal architecture with dependency injections and context with time-outs.
- Implemented the database using Postgres and caching with Redis.
- Implemented JWT and OAuth2 from scratch using Go's official library.
- Implemented store REST API and chat including group chat functionality using socket.
- Tools Used: Makefile, Docker, Go, Gin, Postgres, Nextjs15, Shadcn, SWR, Typescript

Machine Learning, Frequent Pattern Mining and Statistical based Web Honeypot Attack Data Analysis

github.com/name/repo [🔗](#)

- Fixed the outdated python and docker source code.
- Generated dataset to train the machine learning model using security scanners which simulates real attacker behaviors with OWASP Zap, Nikto and Nuclei.
- Getting real attack data to be used for Machine Learning model training, validation and testing by setting up and hosting the honeypot on Ubuntu VPS.
- Made the statistical, frequent pattern and machine learning based analysis program on Web Honeypot's attack data with Python then visualizing it with Metabase to gain detailed attack insights.
- Tools Used: Python, Docker, Metabase, Bash, Ubuntu VPS, SNARE & Tanner (Web Honeypot)

To view more projects, visit yehezkiel-wiradhika.vercel.app/projects [🔗](#).

Achievements

1st Place FTIRS Business Competition (FBC) 2024

2002

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