

Yehezkiel Wiradhika

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Summary

A **Fullstack Software Engineer** with Focus on **Backend** with 4+ years of experience as engineer, intern and volunteer • A **Cyber Security, DevOps and Machine Learning Enthusiast** with experience as Penetration Tester at DPTSI ITS, DevSecOps at Volvinco and Machine Learning Thesis • A **Computer Science / Informatics Engineering Fresh Graduate** at **Institut Teknologi Sepuluh Nopember (ITS)**, Surabaya.

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

Education

Institut Teknologi Sepuluh Nopember

July 2020 – Sept 2025

BS in Computer Science / Informatics Engineering

- GPA: 3.35/4.0 ([a link to somewhere](#) [🔗](#))
- **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 ([a link to somewhere](#) [🔗](#))
- **Coursework:** Backend with Data Structures and Algorithms, Unit Testing (GinkGo), JWT, OAuth2, Concurrency, RESTful API, MVC, gRPC (microservice), Clean Archi (Hexa), ERM, Postgres, GORM, also Gin to DevOps such as Redis, Docker, Kubernetes, RabbitMQ, Grafana, and more.

Experience

CTO; Fullstack, DevOps and Security Engineer

Surabaya, East Java

Volvinco

June 2005 – Aug 2007

- Reduced time to render user buddy lists by 75% by implementing a prediction algorithm
- Integrated iChat with Spotlight Search by creating a tool to extract metadata from saved chat transcripts and provide metadata to a system-wide search database
- Redesigned chat file format and implemented backward compatibility for search

Fullstack Engineer

Bekasi, West Java

PT. Kayaba Indonesia

June 2003 – Aug 2003

- Designed a UI for the VS open file switcher (Ctrl-Tab) and extended it to tool windows
- Created a service to provide gradient across VS and VS add-ins, optimizing its performance via caching
- Built an app to compute the similarity of all methods in a codebase, reducing the time from $\mathcal{O}(n^2)$ to $\mathcal{O}(n \log n)$
- Created a test case generation tool that creates random XML docs from XML Schema
- Automated the extraction and processing of large datasets from legacy systems using SQL and Perl scripts

Penetration Tester

Surabaya, East Java

Direktorat Pengembangan Teknologi dan Sistem Informasi (DPTSI) - ITS

June 2003 – Aug 2003

- Designed a UI for the VS open file switcher (Ctrl-Tab) and extended it to tool windows
- Created a service to provide gradient across VS and VS add-ins, optimizing its performance via caching
- Built an app to compute the similarity of all methods in a codebase, reducing the time from $\mathcal{O}(n^2)$ to

$\mathcal{O}(n \log n)$

- Created a test case generation tool that creates random XML docs from XML Schema
- Automated the extraction and processing of large datasets from legacy systems using SQL and Perl scripts

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

Projects

Machine Learning, Frequent Pattern Mining and Statistical based Web Honeypot Attack Data Analysis github.com/name/repo [↗](#)

- Developed an electronic classroom where multiple users can simultaneously view and draw on a "chalkboard" with each person's edits synchronized
- Tools Used: Python, Docker, Metabase, SNARE & Tanner (Web Honeypot)

gRPC Clean (Hexagonal) Architecture based eCommerce Microservices github.com/name/repo [↗](#)

- Developed a desktop calendar with globally shared and synchronized calendars, allowing users to schedule meetings with other users
- Tools Used: C#, .NET, SQL, XML

Kos KaKa Fullstack App: Boarding House based in Malang 2002

- Built a UNIX-style OS with a scheduler, file system, text editor, and calculator
- Tools Used: Go/Gin, Docker, Postgres, GORM, Redis, RabbitMQ, Nextjs15, Tailwindcss

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

Technologies

Languages: Go, Python, Nodejs/Typescript, PHP

Backend Frameworks: Gin, Laravel, Expressjs, Flask

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

DB/DBMS/Caching: SQL/Postgres/MySQL, MongoDB/Mongoose, Firebase, Redis

Frontend: Next15/Reactjs, Tailwindcss, Shadcn

Offensive Sec: Burpsuite, OWASP Zap, NMap, Nikto, Nessus, SQLMap, Metasploit

Blue Team: Wazuh (SIEM), Snort (IDS/IPS), Cowrie/Dionaea/SNARE & Tanner, VirusTotal, AnyRun/Triage