Nicklaus Fumihiro Wibowo

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Software Engineer with 4+ years of experience building scalable backend systems that improve performance, reduce operational costs, and automate business workflows.

SKILLS

- **Languages:** Rust, JavaScript, TypeScript, Dart, Swift, SQL, Lua, Python, Java
- **Frameworks:** Axum, Node.js, Express.js, Spring Boot
- **Databases:** MySQL, MariaDB, MongoDB, Redis, Valkey, PostgreSQL
- **Infrastructure:** Linux, DigitalOcean, Hetzner, Apache, Nginx, Cloudflare
- **Mobile Development:** Flutter, SwiftUI, UIKit
- **Tools:** Git, Postman

PROFESSIONAL EXPERIENCE

PT. APLIKASI INFO KONEKSI   Surabaya, Indonesia (Hybrid)
Software Engineer (Backend)   Jan 2023 - Present

GunnerAI Trading Bot
- Built and maintained an automated trading platform connected to multiple global exchanges, processing large volumes of real-time market data.
- Reduced infrastructure and operational costs by parallelizing execution using multithreading, allowing the same workload to run on fewer servers.
- Scaled the system across multiple cloud servers to handle high traffic and parallel workloads reliably.
- Improved system speed and stability by reducing database usage through in-memory caching and efficient data handling.
- Delivered real-time notifications to users for trading signals, trade status, and profit summaries, improving transparency and user trust.

CityCargo Peer-to-Peer Logistics
- Developed a logistics platform in partnership with major delivery companies (J&T Cargo, J&T Express, Ninja Van), automating shipment creation, tracking, and pricing.
- Supported rapid growth to 200+ active users within 2 months, enabling over 500 completed deliveries.
- Worked closely with operations teams to ensure the system matched real-world logistics processes.

Koperasi Maju Makmur Sejahtera Indonesia (MMSI)
- Built core systems for member management, savings, interest, and commissions, serving over 5,000 members.
- Automated accounting and administrative workflows, reducing reliance on manual data entry and reporting.
- Improved financial report generation time from minutes to seconds, enabling faster and more accurate decision-making.

FUSIONS VISUAL   Surabaya, Indonesia (Remote)
Software Engineer (Mobile)   July 2022 - Mar 2023
- Developed a cross-platform mobile application for Android and iOS as part of a small engineering team.
- Ensured application quality and stability through extensive testing prior to production release.

APPLE DEVELOPER ACADEMY   Surabaya, Indonesia (Hybrid)
Software Engineer (Intern)   Feb 2021 - Dec 2021
- Developed iOS and watchOS applications with a focus on clean architecture and user experience.
- Integrated third-party services and collaborated with cross-functional teams to deliver product features.

PROJECTS

Toner (Rust, Open Source) - crates.io/crates/toner
- Toner is an open-source Rust crate with 30K downloads for the TON blockchain ecosystem which belongs to Telegram, where I fixed wallet derivation logic and improved address generation correctness.

Hive (Python, Open Source) - github.com/adenhq/hive
- Contributor to Hive, an open-source AI agent framework maintained by Aden (Y Combinator W20), contributing Python code that improved reliability, observability, and data-processing robustness through merged pull requests.

Crypto Price Tracker - nickfw.com/cryptopricetracker
- Real-time cryptocurrency price monitoring platform aggregating data from multiple exchanges. Built with Spring Boot backend and vanilla JavaScript frontend, featuring dynamic price tracking, historical candlestick charts, and multi-exchange comparison capabilities.

AWARDS & CERTIFICATIONS

- **Awards:** 2nd place in the STARTUPSPRINT digital start-up national competition (2021); selected out of 2500 college students for the IISMA Awardee by the Ministry of Education and Culture (2021).
- **Certifications:** Competency in Programming by Badan Nasional Sertifikasi Profesi (BNSP).

EDUCATION

CIPUTRA UNIVERSITY   Surabaya, Indonesia
GPA: 3.9/4.0 | Magna Cumlaude | Major in Informatics   Aug 2018 - Oct 2022
- **Artificial Intelligence assistant lecturer:** Served as an Artificial Intelligence assistant lecturer, mentoring and evaluating 60+ students on Python-based AI projects.