Dennis Al Baihaqi Walangadi

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SKILLS SUMMARY

- **Languages**: Python, Java, JavaScript/TypeScript, SQL, Golang, Haskell, Elixir
- **Frameworks**: Django, Flask, FastAPI, NodeJS, Spring, Java Spark, Phoenix, NextJS, SolidJS, ElectronJS.
- **Tools**: Linux (Debian/Arch/NixOS), Windows, AWS, GCP, Git, Docker/Podman, PostgreSQL, Kubernetes, IPFS

EXPERIENCE

- **OY! Indonesia** — Work from anywhere
  Software Engineer Intern — *Jun 2022 - Now*
  - Implemented **end-to-end workflow to enable full/partial refunds for E-Wallet transaction** in OY! payment gatewaway, supported DANA, LinkAja, NicePay, and ShopeePay e-wallet.
  - Built a feature for users to **emulate credit/debit card transactions** inside OY! dashboard.
  - Implemented capability to **use credit/debit cards as source of fund** in OY! payment routing API.
  - Tech: **Java, Gradle, Java Spark, ReactJS**.

- **Viagoo** — Remote
  Full-stack Engineer (Internship) — *Jul 2021 - Aug 2021*
  - Built a **freight routing engine** to **calculate shortest path between destinations** based on **road type, terrain, courier location, and courier availability** and **assign couriers** accordingly. Tech used: **OSRM**, **Python**, **FastAPI**, **Sklearn**, **Docker**.
  - Built an **admin dashboard** powered by **Vue** and **TailwindCSS** with **Google Maps** integration.

- **EDUCARE** — Depok, Indonesia
  Lead Engineer (Part-time) — *Oct 2020 - Apr 2021*
  - Built **end-to-end NextJS** App to help **1600+** seniors in the Faculty of Computer Science, University of Indonesia to get a job during COVID-19 Pandemic. Tech used: **NextJS**, **Firebase**, **TailwindCSS**, **Framer Motion**, **Contentful**.
  - **Lead 5 juniors** to build supporting features (Spotify podcast feed, job portal, merchandise store, and workshop RSVP).

PROJECTS

- **Siloka (Jul '22)**: Siloka is an **award-winning** scalable mobile chat bot to accompany, understand, and provide information for users in Traveloka Help Center. This project is the Capstone Project of **Bangkit 2022** in collaboration with **Traveloka Singapore**. Tech: **FastAPI, ExpressJS, GCP, NLTK, Tensorflow, Android Volley, KotlinX Coroutine**.
- **ElixirMQ (Dec '22)**: Simple **message queue** implementation using **HTTP** written in **Elixir** with **Phoenix Framework**.
- **Sipasta (Dec '22)**: Scalable cloud-native Pastebin-like app deployed with Kubernetes in AWS. Tech: **NodeJS, PostgreSQL, NextJS, Terraform, Kubernetes**.
- **YouTube Transcriptor (Jun '20)**: Native YouTube player made with Java to allow students to navigate hours long lecture videos and search sections using video transcriptions. Tech: **Java 8, JavaFX, Youtube-DL, JxBrowser**.
- **Jiva (Jun '22)**: Centralized **ERP** for local clinics to **manage patient health records** and **business operation**. Supports multiple clinic branches, manage doctor schedules, create appointments, manage medical personnel, and manage patient's health record and drug prescriptions. Tech: **Django REST, PostgreSQL, NextJS, Emotion, Redux**.
- **Jumpstart (Aug '21)**: Built a job portal website that allows faculty student to *jumpstart* their career. Tech: **Spring REST, Spring Security, React, PostgreSQL**.

EDUCATION

- **Universitas Indonesia** — Depok, Indonesia
  Ilmu Komputer/Computer Science - Bachelor of Science; GPA: 3.57 — *Aug 2019 - Sept 2023*
  Courses: *Operating Systems, Data Structures & Algorithm, Algorithms Design & Analysis, Web Development, Computer Networks, Databases, Computational Logic, Semantic Web, Language & Automata Theory, Infrastructure Management, Distributed System.*
  Lab: *Computer Network, Architecture, and High-performance Computing (CNA-HPC).*
  Thesis: *Mapping real-time collaborative architecture into peer-to-peer network with **IPFS**.*

- **Bangkit 2022** — Kampus Merdeka
  Cloud Computing Learning Path Participant — *Jan 2022 - Aug 2022*
  Certifications: *Collected 4 Dicoding certifications, 7 Coursera certifications, and 12 Google Cloud Skillboost badge during the program.*

HONORS AND AWARDS

- 2022 Scholarship Awardee - TASLA (Technology and Sciences Leadership Academy) Jan, 2022

VOLUNTEER EXPERIENCE

- **Core Team @ Google Developer Student Clubs Universitas Indonesia** — Depok, Indonesia
  *Conducted online and offline technical & soft-skills training impacting **3000+** students.* — *Aug 2020 - Jun 2021*
- **Head of Academic @ DDP-0** — Depok, Indonesia
  *Organized 3 weeks long 'Basic Programming with Python' course for **380+** newcomers.* — *Jun 2020 - Sep 2020*