

MUHAMMAD RIDHO FEBRIANSA

Backend Engineer

to.ridhofebriansa@gmail.com



<https://www.linkedin.com/in/ridho-febriansa/>



<https://github.com/ridhof>

| PROFESSIONAL SUMMARY

Experienced in Backend Development, delivering successful projects such as Omnichannel, Fish Warehousing System, and E-Commerce platforms. Skilled in **TypeScript**, **Fastify**, **PostgreSQL**, and **Kysely** for Backend. A dynamic speaker at industry events and a dedicated volunteer contributing to the technology community.

| WORK EXPERIENCE

Zero One Group | March 2022 - Present

Built Omnichannel, Fish Warehousing System, and E-Commerce platform by using **TypeScript**, **Fastify**, **PostgreSQL**, and **Kysely** for Backend. **TypeScript** and **ReactJS** are used for Frontend. **AWS**, **Terraform**, **Gitlab CI**, and **Github Actions** are used for Infrastructure and CI/CD.

Building Omnichannel as a main source of data for a giant company is challenging, because they have plenty of data which oftentimes doesn't have a consistent data type and naming convention. Mapping the whole source and data are required to build a solid database schema and forcing them to be consistent with their data.

But not all projects have the capability to define the database schema upfront, sometimes we need to adapt faster like what we did at Fish Warehousing System. We make sure that database changes should conflict with an error at the frontend side, so both backend and frontend engineer should fix them right away before we deliver the update to the user.

SIESTA | March 2021 - March 2022

Built a REST API and Web Interface for Academic Module, Retail Module, Accounting Module, and Superapp API by using **JavaScript**, **MySQL** and **ExpressJS** for Backend. **NextJS**, **Tailwind**, and Native JavaScript for Frontend.

Building a REST API without testing is challenging, because it is difficult to figure out which part will be broken when you change the database or backend logic. Either the backend will fail and thus do a hotfix, or the frontend will fail and thus do a rollback.

Nanas Media | August 2020 - December 2020

Built Nanas Xperience and Dashboard, an app that wants to beat Canva in terms of usability so that users without design knowledge can produce a good design. **JavaScript**, **Express**, and **MongoDB** are used for Backend. **JavaScript**, **VueJS**, **Mocha** and **Chai** were used for Frontend.

Building an app that renders a good amount of resources is challenging. Especially if we are targeting a segmented user who uses a budget phone with a slow internet connection. We tried image transformation, resize, and better formatting by using SVG, but we couldn't have a joyful result. Maybe we should use image caching to ease loading images for users.

| OTHER PROJECTS AND PUBLICATIONS

- **LINE Chatbot**

LINE Chatbot to automate college administration checking process at the start of semester by typing the student ID at the group chat. Once someone type a student ID, the bot will scrap the administration website, and return the result to the group chat. LINE Chatbot developed using **PHP**.

| EDUCATION

BACHELOR OF COMPUTER INFORMATION SYSTEM

Surabaya University| August 2016 - February 2021

| VOLUNTEER ACTIVITIES

1. **Speaker - Google Developer Student Club Universitas Hasanuddin Internal Sharing Session - Day-to-day as a Product Manager and what to prepare to be one - March 2023**
2. **Speaker - TalkBoration #2 by Developer Circle Surabaya x SurabayaJS x DILO Surabaya - Talk about Fasten Mobile Development using Angular and Nebular - September 2019**
3. **Event & Web Volunteer - Python Conference Indonesia 2019 & 2021**