

MUHAMMAD TANGGUH RIYADI

Software Engineer | React | Typescript | NodeJS | Go

BASIC INFORMATION

Cluster Alsagriya E7, 40552 West Bandung Regency

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Gender: Male

Nationality: Indonesia

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PROFILE

Passionate Software Engineer | Expertise in NextJS, ReactJS, NodeJS, Go, TypeScript, PostgreSQL, Redis and MongoDB | Docker Enthusiast

With over 2 years of hands-on experience in the software development industry, I am dedicated to crafting high-quality solutions that drive innovation and exceed expectations. My expertise lies in leveraging cutting-edge technologies such as NextJS, ReactJS, NodeJS, TypeScript, PostgreSQL, Redis, MongoDB, and Go to deliver robust and scalable applications tailored to meet diverse business needs.

As a forward-thinking engineer, I thrive on tackling complex challenges and transforming ideas into reality. Whether it's architecting efficient backend systems, optimizing frontend performance, or collaborating on cross-functional teams, I am committed to delivering results that elevate user experiences and drive business growth.

Proficient in containerization with Docker, I excel in building and deploying applications with ease, ensuring seamless integration and deployment across various environments. My strong problem-solving skills, combined with a passion for continuous learning, empower me to stay ahead of industry trends and deliver innovative solutions that make a difference.

I am eager to bring my technical expertise, creativity, and collaborative spirit to a dynamic team where I can contribute to impactful projects and drive success. Let's connect and explore how we can work together to turn visions into reality.

WORK EXPERIENCE

Software Engineer - Web Platform

Dec 2022 - Present

PT Motiolabs Digital Indonesia

Motiolabs Core Team Frontend

- Motiolabs Core Team Frontend
- Designing Microfrontend Architecture (ReactJS and Webpack Module Federation) for SaaS Application
- Designing SSO (Single-Sign-On) flow for SaaS
- Initialize Technical Standardization (Clean Code, Quality Code, Rule of Hooks, etc.)
- Build and maintain NPM Library @motiolibs/motio-js
- Creating Development Prochedure for Development Team

- Initialize NextJS and ReactJS Project using proper boilerplate
- Breaking a big task/backlog into a smaller task
- SEO Implementation (SSR, Opengraph, Semantic HTML, etc)
- HTTP Request using REST API and GraphQL
- Develop and Maintaining Hight Quality of React Typescript Code
- Component Documentation using Storybook

myDigiLearn SaaS by Telkom Indoensia

This platform provides a dynamic curriculum and invites users to participate in user generated content. MyDigiLearn is a learning platform with the most complete types of digital learning content in Indonesia. Currently, myDigiLearn has been used by 109 BUMNs and 1++ million users, various other institutions such as the Ministry of State Secretariat and Kominfo. My contirbutions to this apps are:

- Building project using microservice architecture FROM SCRATCH
- Developing many features of edu-tech application
- Server side caching using Redis
- Go to Market (GTM) implementation using payment gateway
- Implementing Message Broker using Kafka
- Containerize deployment using Docker
- API gateway and routing using Kong
- Reviewing and Maintaining NodeJS Typescript code
- Implementing unit testing
- Distributing microservice using gRPC

Fullstack Engineer

Jan 2023 – Apr 2023

Apotek Asli Express

- Designing Relation Database Mangement System (RDMS)
- Building Microservice for Inventory Mangement
- Building CRUD UI for Employee Management

Frontend Engineer

Sep 2022 – Dec 2022

PT Tricada Intronik

Smart Solutions SaaS v1

Smart Solutions is an IoT platform which provides asset or device monitoring system. What I've done in this platform are:

- Maintaining the high quality of reusable code in React.Js with typescript.
- Create drag and drop feature for dashboard management using library react-grid-layout so that user could customize their own dashboard.
- Create Redux Toolkit Query in order to build cache between HTTP request.-Create CRUD feature for panel in dashboard.
- Create dynamic metadata using react-helmet.
- Build reusable component in custom library in order to maintain sustainability.
- Create dynamic login page depends on the sub domain.

IoT Device Management

- Improving form with proper validation

EDUCATION

Engineering Bootcamp – Frontend Engineering

July 2022 – Oct 2022

Binar Academy

University

Sep 2015 – May 2019

Politeknik Negeri Bandung

SKILLS

NodeJS



React Native



CSS



Typescript



Microfrontend



MongoDB



Go



Kubernetes



Kong



gRPC



REST API



Webpack



ReactJS



HTML



Javascript



NextJS



SQL



Kafka



Docker



NestJS



AWS



GraphQL



Storybook



CERTIFICATES

Frontend Engineering

<https://drive.google.com/file/d/1YTS0wO-G5aMlrAMJhphJ2ilBzuPwY87F/view?usp=sharing>

Oct 2022

Go Programming Language: Beginner to Expert

<https://www.udemy.com/certificate/UC-32858c3e-2f68-4066-b00e-e82d564328ec/>

May 2023

Docker: Beginner to Expert

<https://www.udemy.com/certificate/UC-7ec5eee1-6c9c-4768-ab77-e6acacblfd9c/>

May 2023

Frontend Web Fundamentals

<https://www.dicoding.com/certificates/1OP86DNJ2XQK>

Apr 2022

Frontend Web Development For Beginner

<https://www.dicoding.com/certificates/1RXYYK4J9XVM>

Apr 2022

Basic Web Programming

<https://www.dicoding.com/certificates/JLX13MY65P72>

Mar 2022

COURSES

Go Programming Language: Beginner to Expert

May 2022

Frontend Engineering

Jul 2022

LANGUAGES

English

Indonesia

Sundanese

ARTICLES

1. [JavaScript Clean Code for Beginners: Best Practices for Writing Maintainable Code \(Mar 9, 2024\).](#)
2. [Implementing SOLID Principles in ReactJS with TypeScript: Ensuring Code Quality, Scalability and Maintainability \(Mar 16, 2024\).](#)
3. [Enhancing Javascript Code: Stop Using Switch-Case ! \(Mar 18, 2024\)](#)
4. [A Career Shifting Journey: From Accountant to Software Engineer \(Mar 22, 2024\)](#)