

# MUHAMMAD TANGGUH RIYADI

Software Engineer | React | Typescript | NodeJS | Go | Gen AI Enthusiast

## BASIC INFORMATION

Cluster Alsagriya E7, 40552 West Bandung Regency  
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Nationality: Indonesia  
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## PROFILE

**Passionate Software Engineer | Expertise in NextJS, ReactJS, NodeJS, Go, TypeScript, PostgreSQL, Redis and MongoDB | Gen AI 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. Additionally, I innovate with generative AI to create intelligent and adaptive solutions that enhance functionality and user engagement.

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

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 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

Dec 2022 - Present

- 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 denpends 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



Generative AI



ReactJS



HTML



Javascript



NextJS



SQL



Kafka



Docker



NestJS



AWS



GraphQL



Storybook



LLM



## 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-7ec5eeel-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/JLXI3MY65P72>

Mar 2022

## COURSES

Go Programming Language: Beginner to Expert

May 2022

Frontend Engineering

Jul 2022

## LANGUAGES

English

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Indonesia

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Sundanese

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## 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 \(Mar 22, 2024\)](#)
5. [Introduction To Gen AI \(May 19, 2024\)](#)