

# MASMUDI

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Software Engineer specializing in backend development. Proficient in programming languages like python, C#, Javascript, PHP, dan Go. Committed to utilizing innovative technologies to address complex challenges and enhance operational outcomes.

## EDUCATION

### Bachelor in Informatics Engineering

Jan 2020 - Aug 2024

Universitas Trunojoyo Madura

GPA: 3.67

At university, I learned a lot about algorithms, data structures, web development, RDBMS, networking, distributed systems, Object Oriented Programming (OOP), Software Development Principles, and machine learning.

## WORK EXPERIENCE

### Software Engineer Trainee

Sep 2024 - Feb 2025

Sea Labs Indonesia

Jakarta, Indonesia

Selected from a pool of 1000+ candidates to participate in sea labs bootcamp, acquiring foundational knowledge in software engineering, including backend development using Golang and PostgreSQL, frontend development utilizing React and TypeScript, and performance optimization as well as Site Reliability Engineering (SRE) and Quality Assurance (QA).

Led team in group project that is simulated real world project where we built e-commerce-like website with transaction feature and using a large amount of data. From that project i learn alot about how to manage team, translate product requirements into feature, explore software performance optimization in code and database level, utilize redisearch to improve search performance to be 200x faster, performing asynchronous task processing using cron job, and so on.

**Tech Stack Used** : Golang, PostgreSQL, Redis, React, Typescript, Next.js

### Software Engineer Intern

Feb 2023 - Jun 2023

Suitmedia Digital Agency

Jakarta, Indonesia

- Refactored legacy code for synchronization of job and utilities that improve system efficiency by 15%.
- Developed a comprehensive feature for delivery in endless aisle orders, enhancing order processing speed by 25% and ensuring accurate shipping calculations.
- Authored detailed documentation on delivery flow and promotion bundling, resulting in a 20% reduction in onboarding time for new team members.
- Debugged and fixed critical bugs, increasing overall system reliability by 10%.
- Gained expertise in code-first database design, optimized Git workflows, and implemented clean architecture principles, resulting in a 30% increase in project efficiency.

**Tech Stack Used** : .NET, C#, RabbitMQ, Hangfire

### Research Assistant

Mar 2022 - Aug 2022

Universitas Trunojoyo Madura

Bangkalan, Indonesia

Research Title: "Dovtron: application of the CNN model for detecting corn leaf diseases and providing real-time solutions"

Achieved 95% accuracy in detecting corn leaf diseases using a CNN model

**Tech Stack Used** : Tensorflow

## PROJECTS

### Brifest

Developed using MERN stack as equity crowdfunding platform that bridges the gap between UMKM owners seeking funding and investors.

**Tech Stack** : React, Node.js, MongoDB

### Pronics

Created to facilitates electronic repair services by linking customers with technicians.

**Tech Stack** : React, Go, MongoDB

### Dovtron Model and API

Developed using TensorFlow model, predicts diseases in corn plants and is deployed using Flask and Google Cloud Run.

**Tech Stack** : Tensorflow, Node.js, Firebase

### Lanjutan API

Created to offer travel services across Madura. It's a freelance group project, I joined the team as a backend developer, built REST API.

**Tech Stack** : Laravel, MySQL

## AWARDS

### Finalist Apps Development MAGE by Sepuluh Nopember Institut of Technology

Jan 2022

In this competition, I developed an app called 'Brifest' to connect small and medium-sized enterprises (UMKM) with investors. The app uses an equity crowdfunding model, allowing UMKM to share profits with investors based on their dividend percentage.

### 3rd Place Hackathon FindIT by Universitas Gadjah Mada

Jan 2021

Participating in my first hackathon was intense and pressured. It was an online event where participants developed their projects from home.

My team created an app called Mangkok, which connects street vendors with customers in real-time. I'm thrilled to say that we won 3rd place.

ORGANIZATIONAL & VOLUNTEER EXPERIENCE

**Lead**  
**Google Developer Student Clubs**  
Organized and facilitated various events such as Info Sessions, Tech Talks, and Study Jams, leading to the achievement of the highest event count within GDSC Indonesia.

**Aug 2022 - Jul 2023**  
**Bangkalan, Indonesia**

**SKILLS**

**Tech Stack:** Javascript, Node.js, React,Next.js, PHP, Laravel, .NET, C#, Go, PostgreSQL, MySQL, SQL Server, Supabase, Firebase, MongoDB, Redis

**Soft Skill:** Leadership, Public Speaking, Problem Solving, Growth Mindset, Critical Thinking

**Familiar With:** Docker, Google Cloud, Firebase, CI/CD, Microservice, RabbitMQ, Hangfire, Postman, Jira, Nginx, Grafana, Prometheus, Loki