

YOUS MARKUS SYALOM SIBARANI

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About Me

I am a software engineer who values thoroughness, responsibility, continuous improvement, and integrity in delivering structured and reliable technical solutions. I gained hands-on experience through academic projects, a fullstack engineering training program, and an internship where I designed and developed web applications from planning to implementation. Through these experiences, I developed a strong ability to analyze requirements, understand system flows, and apply structured problem-solving to build reliable and maintainable software. My technical capabilities include developing web applications, managing databases, implementing business logic, and maintaining system reliability, supported by discipline, ownership, and the ability to work effectively within structured workflows while continuously improving communication and technical skills. I am committed to continuously growing as a software engineer and contributing reliably within professional development environments through careful, structured, and responsible work.

Education

Politeknik Negeri Medan

August, 2021 – October, 2025

GPA: 3,61

S.Tr.Kom

Perbandingan Kinerja Model CNN dan CapsNet dalam Klasifikasi Emosi Berdasarkan Teks dan Emoji pada Tweet Tokoh Teknologi Indonesia

RevoU

June, 2025 – January, 2026

Full Stack Software Engineering

Completed an intensive full-stack software engineering program focused on building end-to-end web applications. Developed scalable frontend and backend systems using TypeScript, React, Next.js, and NestJS, including RESTful API integration, JWT-based authentication, and role-based access control for multi-user systems. Designed and managed relational databases using PostgreSQL and Prisma ORM. Deployed applications using Docker and Railway, applying modern UI development practices with Tailwind CSS and component-based architecture.

Internship Experience

Software Engineer, Kominfo Medan

January, 2025 – February, 2025

- Developed a web-based money management application using PHP and Laravel framework to manage financial records and transactions.
- Designed and implemented database structures using MySQL for efficient data storage and retrieval.
- Implemented MVC architecture in Laravel to maintain organized, maintainable, and scalable application structure.

Project Experiences

LMS SIPADI, RevoU

November, 2025 – January, 2026

- Designed and developed an end-to-end Learning Management System supporting three user roles (admin, teacher, and student) with role-based access control.
- Built backend services using NestJS and TypeScript, implementing RESTful APIs, authentication using JWT, and modular architecture for scalable system design.
- Developed responsive frontend interfaces using React, Next.js, and Tailwind CSS to support assignment management, attendance tracking, and reporting workflows.
- Designed and managed relational database schemas using PostgreSQL and Prisma ORM, ensuring structured and efficient data handling.
- Implemented features including file upload handling, pagination, and report export (CSV and XLSX) for academic data.

- management.
- Deployed the application using Docker and Railway, ensuring consistent environment configuration and application availability.
- Applied unit testing and structured validation to improve system reliability and maintainability.

Additional Information

Technical & Soft Skills: TypeScript, React, Next.js, NestJS, Prisma ORM, Continuous Learning, Responsibility & Ownership, Adaptability

Certification: 1. Full Stack Software Engineering, RevoU
2. Junior Mobile Programmer Certification, Digitalent

January, 2026
September, 2024