

JOHN TRI PUTRA SIHOMBING

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Martubung, Medan

I am a 7th semester student at the University of North Sumatra, majoring in Computer Science. I am highly interested in learning about the world of technology. Currently, I have interest in the field of backend development. My future plan is to pursue a career as a software engineer, specializing in backend development. At the moment, I am further enhancing my backend skills by studying Java and Golang programming languages.

Work Experiences

Binar Academy - Jakarta

Aug 2022 - Jan 2023

Studi Independent Student

- Followed 5-month Backend JavaScript (Express.js) course. The topics covered in the course include PostgreSQL database, Node.js, Express.js, ORM (Object-Relational Mapping), Restful API, Networking, API Documentation, Testing, and Deployment.
- Completed hands-on projects and assignments to strengthen understanding and proficiency in backend development.
- Led a team of 3 frontend developers and 3 backend developers on final project

dSociety - Medan, Indonesia

Mar 2023 - Apr 2023

Informatic Tutor

- Prepared students for OSN-K Competition
- Delivered comprehensive lessons and tutorials to students, covering various topics related to the Informatics Olympiad.
- Organized and supervised practice sessions and mock competitions to simulate the OSN environment.

Ilmu Komputer Laboratory Center - Medan, Indonesia

Aug 2022 - Present

Secretary Of IKLC USU

- Manage the administration of Ilmu Komputer Laboratory Center
- Coordinate the tasks of the administrative sub-division
- Monitoring and receiving reports of administrative sub-division accountability.
- Act as a liaison between the organization and other campus departments, faculty, and students.

Freelance - Medan, Indonesia

Oct 2022 - Present

Freelance Web Developer

- Have expertise in frameworks like React for frontend development and Node.js for backend development. Additionally, experienced in utilizing various databases including PostgreSQL, MySQL, and MongoDB.
- Collaborate with clients to gather requirements and specifications for their website projects.
- Manage multiple projects simultaneously, adhering to project deadlines and delivering project within specified timelines.

Ilmu Komputer Laboratory Center (IKLC) - Medan, Indonesia

Jun 2021 - Present

Laboratory Assistant

- Responsible for teaching the practical courses including Basic Programming (Pascal), Programming Algorithms (C/C++), OOP Java, and Web Programming.
- Responsible for guiding and conducting practicum for more than 50 students.
- Develop learning modules for the practical courses and collaborating with instructor to determine the syllabus for the practical activities.

Education Level

Universitas Sumatera Utara - Medan

Aug 2020 - Jun 2024 (Expected)

Bachelor Degree in Computer Science, 3.75/4.00

- Appointed by IMILKOM USU as a workshop speaker for the Computer Science study program, delivering a session titled "Git & Github : Alat Kolaborasinya Programmer", impacting 35+ students.

Binar Academy - Jakarta

Aug 2022 - Jan 2023

Certificate in Backend Development, 4.60/5.00

- Participated in an independent study program at Binar Academy, specializing in backend development.
- Developed practical skills and knowledge in backend technologies and frameworks.
- Worked closely with frontend developers to ensure seamless integration between the frontend and backend components.

Organisational Experience

IMILKOM USU - Medan, Indonesia

Sep 2022 - Jun 2023

Staff Of Contemporary Insight

- Organized various activities to provide opportunities for skill development and knowledge enrichment such as IMILKOM Consultation, IMILKOM Bootcamp, IMILKOM Workshop, IMILKOM Competition, etc.
- Collaborated with fellow department members to plan and execute department effectively.
- Assisted in organizing and participating in technology-related events, workshops, and discussions to foster knowledge-sharing and innovation.

Projects, Achievements, Skills, and Others

- **Restful API Terbang Tinggi Project** 📌 (2022): In this independent study final project, I worked as a backend developer. The technology stack I used includes Node.js, Express.js, PostgreSQL, Sequelize, JWT, and more. Our team created a website for flight ticket reservations, supporting one-way and round-trip options. Postman : https://bit.ly/RestAPI_TerbangTinggi
- **Website Decision Support System Project** 📌 (2023): Developed a web-based Decision Support System for tourism destination selection in Medan Medan using PHP and MySQL technologies, implementing the SWARA and SAW methods. The application featured a user-friendly interface, accurate calculations, and informative data visualization.
- **Bootcamp Laravel Sanber Code** 📌 (2021): Participated in the Laravel Bootcamp at Sanbercode, which provided comprehensive training in Laravel, a popular PHP framework for web development. Throughout the bootcamp, I gained hands-on experience in working with Laravel's MVC architecture, database, routing, authentication, and RESTful API development
- **Achievements** 📌 (2021): Best Participant Competitive Programming
- **Achievements** 📌 (2021): Indonesia Coder Of The Month – Progate Indonesia
- **Soft Skills** 📌 (2020): Python Programming
- **Soft Skills** 📌 (2020): Machine Learning Development
- **Soft Skills** 📌 (2020): Node JS Web Development