

SEBASTIAN BELMERO SITORUS

Information Technology Student

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Profile

I'm a passionate full-stack developer with a strong foundation in a variety of technologies. My expertise spans across multiple programming languages, frameworks, and databases, enabling me to create dynamic and engaging web and mobile applications. With a keen eye for detail and a commitment to delivering high-quality results, I'm excited to contribute my skills to meaningful projects.

Work Experience

Laboratory Assistant

Medan, Indonesia

Information Technology Laboratory Group

September 2021 - June 2023

- Laboratory Assistant (Human-Computer Interaction): Assisted students in using software utilized in Human-Computer Interaction experiments and projects. Provided practical demonstrations to students on fundamental concepts in Human-Computer Interaction.
- Laboratory Assistant (Database System Management): Conducted practical sessions related to Database System Management. Provided guidance to students in designing, implementing, and managing databases using relevant database management software. Tested and evaluated the performance of databases created by students. Prepared guides and tutorials for students to facilitate their understanding of Database System Management concepts.
- Laboratory Assistant (Server Administration System): Assisted students in configuring and managing networks used in projects and experiments related to Server Administration System. Provided guidance to students regarding server software configuration.

Web Developer

Medan, Indonesia

PT. Adikara Cipta Aksa

September 2023 - Maret 2024

- As a Web Developer, I developed the website for PT. Adikara Cipta Aksa, with a specific focus on their Legal Consultation services (Konsultasi Hukum Indonesia). Leveraging the versatility of WordPress as the primary Content Management System (CMS), I ensured seamless content management and user experience. Furthermore, I employed Laravel to handle complex functionalities, guaranteeing the website operates smoothly and efficiently.

Part Time Programmer

Medan, Indonesia

Direktorat Digitalisasi dan Integrasi Sistem Universitas Sumatera Utara

July 2024 - December 2024

- As a part-time programmer within the Directorate of Digitalization and System Integration at the University of North Sumatra, I am responsible for developing and maintaining the web application (Mekar) used for employee performance management. In this role, I utilize Laravel, a PHP framework, to build the application's backend, ensuring robust business logic and efficient data management. For the frontend, I leverage Vue.js, a progressive JavaScript framework, which allows me to create interactive and responsive user interfaces. Additionally, I use the Ant Design Vue (antdv) UI component library to accelerate the development of modern and consistent interfaces. My daily tasks include writing clean and structured code, developing new features based on employee performance management needs, conducting testing to ensure the application functions correctly, and fixing bugs when identified. I am also involved in the feature planning and design process with the team, as well as ensuring seamless integration between the frontend and backend. My achievements include the development and maintenance of the web application (Mekar), which assists the University of North Sumatra in managing employee performance digitally and in an integrated manner, thereby enabling more effective and efficient employee evaluation and development processes.

Certifications

- Web Developer Internship Certificate, Nomor 0005/AKASA/SM/III/2024

Awards

CERTIFICATE OF APPRECIATION - 2024

Dedication, hard work, and outstanding contributions in successfully completing tasks within the Directorate of Digitalization and System Integration, Universitas Sumatera Utara.

Awarded by: Universitas Sumatera Utara, Directorate of Digitalization and System Integration

Contribution Period: Juni - Desember 2024

Certificate Date: 2024-12-30

Projects

- Web Application for Employee Performance Management (Mekar): Developed a web application for employee performance management using Laravel and Vue.js, enhancing the efficiency of performance evaluations.
- Legal Consultation Website: Created a website for PT. Adikara Cipta Aksa's Legal Consultation services using WordPress and Laravel.
- Thesis: Prediction of Solar Radiation Using Deep Gaussian Process Algorithm: Conducted research and developed a system for predicting solar radiation using the Deep Gaussian Process algorithm.

Skills

HTML5 - CSS - Javascript - Node.js - PHP - TypeScript - Python - MySQL - MongoDB - Laravel - React - Angular - Vue - Express.js - Adonis.js - React Native - Flutter - Git - Postman

Education

- Information Technology, University of North Sumatra, Medan, Indonesia, 2025