



# JOSUA SIREGAR

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Lingkungan IV, Pandan, 22612, Tapanuli Tengah, Sumatera Utara

As an Information Technology student at Del Institute of Technology, I have developed deep expertise as a Fullstack Engineer, with experience in system analysis and comprehensive web and mobile application development. I am proficient in HTML, CSS, JavaScript (Node.js), PHP, Java, Dart, and Python, as well as frameworks such as Laravel, React JS, Vue, and Flutter. These skills have been applied in leading and collaborating on challenging projects, where I have not only improved my problem-solving and database management abilities but also produced innovative and cutting-edge solutions. My commitment to hard work and effective communication have enabled me to deliver outstanding results and be ready to contribute to a dynamic and innovative team.

## Work Experiences

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### Del Institute of Technology - Laguboti, Sumatera Utara

Oct 2021 - Dec 2021

#### Frontend Developer Website Pemandian Air Soda Tarutung

- Integrate the design into HTML, CSS, and JavaScript code, ensuring consistency between the design appearance and the actual display in the browser.
- Design and develop a responsive and aesthetically pleasing user interface to enhance the user experience of the Tarutung Soda Water Bath website.

### Puslit EGOV CENTER - Laguboti, Sumatera Utara

Sep 2023 - Dec 2023

#### Mobile Developer of SIRAM Mobile-Based Application

- Collaborated with lecturers in the development of the SIRAM mobile application, successfully improving the efficiency of the water retribution process from recording, and payment, to handling complaints, and increasing operator data transparency by 90%.
- Using Dart programming language with Flutter framework and integrated with REST API, and applying UX/UI design principles to improve user experience according to needs.
- Conducted beta testing to ensure the functionality and reliability of the application. This process led to the detection and rectification of 95% of issues before the official launch, guaranteeing a smooth and glitch-free user experience when the app was launched.

### Puslit EGOV CENTER - Laguboti, Sumatera Utara

Sep 2023 - Dec 2023

#### Mobile Developer of ITO Humbang Mobile-Based Application

- Engaged in collaborative development with lecturers to create a user-centered ITO Humbang mobile application, increasing the region's tourism visibility by 50%.
- Using Dart programming language with Flutter framework and integrated with REST API, and applying UX/UI design principles to improve user experience according to needs.
- Conducted beta testing to ensure the functionality and reliability of the application. This process led to the detection and rectification of 95% of issues before the official launch, guaranteeing a smooth and glitch-free user experience when the app was launched.

### Del Institute of Technology - Laguboti, Sumatera Utara

Jan 2022 - May 2022

#### Fullstack Developer Canteen IT Del Website

- Designed and implemented a responsive user interface using HTML, CSS, and JavaScript with Bootstrap, and jQuery, to improve user experience on the Canteen IT Del Website.
- Develop and integrate the backend system using the PHP programming language, with the application of the Laravel framework, to ensure the smooth functioning of the website, including database management using MySQL.

## Education Level

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### Del Institute of Technology - Laguboti, Sumatera Utara

#### Associate Degree in Information Technology, 3.56/4.00

- Student Teaching Assistant Computer Architecture and Organization.
- Participated in a Gemastik Competition.
- Matriculation assistant for new students.
- Student Leadership Program

## Organisational Experience

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### BEM

Jan 2023 - Present

#### Member of the Order and Discipline Department

BEM (Student Executive Board) is a pivotal student organization at Institut Teknologi Del, dedicated to enhancing student life through

leadership, advocacy, and community engagement.

- Responsible for the maintenance and enforcement of order during campus activities.
- Organize and supervise student events to ensure safety and order.

## KPU

Mar 2023 - May 2023

### *Head of Security Division*

KPU is an organization formed by MPM to carry out election activities for the Chairman and Vice Chairman of BEM.

- Responsible for the maintenance and enforcement of order during the election activities of the chairman and vice chairman of BEM.
- Supervise candidate pairs during the campaign and election process.
- Lead and coordinate with other divisions for the success of the activity.

## Skills, Achievements & Other Experience

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- **Achievements** (2023): Student Leadership
- **Achievements** 🏆 (2022): Gemastik XV
- **Achievements** 🏆 (2022): Student Teaching Assistant Computer Architecture and Organization
- **Projects** (2022): IT Del Canteen Website
- **Projects** 🏆 (2023): Delhub Mobile-Based Application
- **Achievements** (2023): Matriculation Assistant for New Students
- **Projects** 🏆 (2022): LokerKu Website
- **Projects** 🏆 (2023): Dynamic Programming Implementation for Route Optimization
- **Projects** (2023): Diamond Shape Identification Website Using CNN
- **Projects** (2022): MarketKu Desktop Application
- **Projects** (2021): Website Pemandian Air Soda Taurutung
- **Projects** (2023): E-Commerce Website with Microservice
- **Soft Skills**: Public Speaking, Communication, Leadership, Collaboration Team, Critical Thinking, and Problem Solving,
- **Hard Skills**: Development, Programming Language, Database Management, Microservice and API, Debugging and Troubleshooting, Framework and OOP