



# JAMES FRANS RIZKY TAMBUNAN

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Kisaran Kota, Medan, Indonesia

A final-year Information Technology student at Del Institute of Technology with extensive hands-on experience in both backend and frontend development. Proficient in JavaScript (Node.js), Python, PHP, Golang, Java, ReactJS, Swift, Dart (Flutter), Laravel, and NextJS. Skilled in optimizing database query, building RESTful APIs, developing scalable web and mobile applications integrating IoT-based systems using microcontrollers. Currently expanding expertise in the Internet of Things (IoT) and Machine Learning to create intelligent and automated solutions. Known for adaptability, strong leadership, and high motivation, with a passion for contributing to dynamic and collaborative technology environments.

## Education Level

**Institut Teknologi Del - Sitoluama, Kec. Balige, Toba, Sumatera Utara 22381**

Aug 2023 - Jun 2026 (Expected)

*Diploma in Information Engineering, 3.37/4.00*

- Relevant Courses: Web Developer, Database Systems, Algorithms & Mobile App Developer
- Part of the committee to introduce the campus environment to first-year students
- Developed web and mobile application projects to enhance user engagement and functionality

## Work Experiences

**PT. Rinel Tech Nusantara - Kab. Tapanuli Utara, Sumatera Utara, 22472**

Oct 2025 - Present

*Lead Developer*

- Collaborated in developing real-world projects tailored to client needs
- Led the web development team to deliver projects on target
- Continuously explored and adopted emerging technologies to address industry demands.

**Institut Teknologi Del - Laguboti, Toba, Sumatera Utara 22381**

Jan 2025 - May 2025

*Assistant Lecturer*

- Assisted 55+ first-year students in discrete mathematics course
- Accompanying first-year students in discussion sessions, exercises, or practicums.
- Guiding first-year students in understanding basic concepts such as logic, sets, relations, functions, and graphs.

**Institut Teknologi Del - Laguboti, Toba, Sumatera Utara 22381**

Aug 2024

*Assistant Matriculation Committee*

- Assisted 60+ first year students in Programming Introduction
- Responsible for introducing the world of lectures to first-year students
- Familiar with C, HTML, and Microsoft Office for processing documents, data and presentations

**Institut Teknologi Del - Laguboti, Toba, Sumatera Utara 22381**

Aug 2024

*Member of Training Division Love Almameter Program*

- Physically and discipline training for 500+ first-year students
- Collaborates with other divisions to train first-year students

**PT. BPR Bandar Jaya - Perdagangan I, Kec. Bandar, Simalungun, Sumatera Utara 21184**

Feb 2022 - May 2022

*Technician System*

- Install the new hardware so it is ready for use
- Manage and analyze financial data at the bank using Microsoft Office
- Maintain all hardware and software ready for use before business hours

## Organisational Experience

**HIMATIF - Laguboti, Kec. Balige, Toba, Sumatera Utara 22381**

Nov 2025 - Present

*Head of Education Division*

- Conducting tutorials to juniors every 3 weeks 2 times, increasing understanding of the course by 25-30%
- Responsible for providing training about the world of IT to members

**Del Robotic Club - Laguboti, Kec. Balige, Toba, Sumatera Utara 22381**

Nov 2025 - Present

#### *Head of Research and Technology Division*

- Exploring trending technologies in the world of robotics
- Responsible for providing robotics training to new members

#### **HIMATIF - Laguboti, Kec. Balige, Toba, Sumatera Utara 22381**

Sep 2024 - Present

#### *Deputy head of Education Division*

- Conducting tutorials to juniors every 3 weeks 2 times, increasing understanding of the course by 25-30%
- Conduct quizzes 2 times per semester, evaluating comprehension with an increase of 30-40%.

#### **Del Robotic Club - Laguboti, Kec. Balige, Toba, Sumatera Utara 22381**

Jan 2024 - Present

#### *Member of KRSBI-B division*

- Learning facilitator for the use of Arduino
- Learning facilitator for IoT Learning facilitator for robot design

## **Skills, Achievements & Other Experience**

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- **Marudut Tani Shop Website** (2024): Developed using Laravel technology, digitizes purchase and sales records for agricultural products such as fertilizers, pesticides, seeds, and agricultural equipment using the Waterfall methodology, improving data efficiency and accuracy in supporting store management.
- **Building a Human Number Detection and Recording System** (2024): Human Number Detection and Recording System Development Project created with IoT-based technology using OpenCV and Laravel as the Dashboard and data storage.
- **Developing the HIMATIF Apps mobile application** (2024): Developing mobile-based applications (Flutter & Firebase) to make it easier for users to access information from the IT Del Information Technology Student Association.
- **Development of Kawalptnku Information System** (2025): Developed using React Vite and Golang technology, it provides try-out packages to improve the abilities of prospective students in the selection process for admission to their dream campus by providing opportunities for value ranking using Agile methodology.
- **Achievements** (2024): DATATHON 2024
- **Achievements** (2025): IBM Machine Learning
- **Achievements** (2025): Samsung Innovation Campus Batch 6
- **Hard Skills:** Web Development, Mobile Development, Programming Language, Database Management, API, IoT, Framework and OOP, Git, AWS Cloud, Computer Vision, Machine Learning, Robotic
- **Soft Skills:** Communication, Leadership, Collaboration Team, Critical Thinking, Problem Solving, Time Management
- **Language:** Indonesia (Native) / English (Beginner)