



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
- Member of the 2024 Information Technology Association Caderization Committee
- Developed web and mobile application projects to enhance user engagement and functionality

Work Experiences

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

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

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.

PT . WINNICODE GARUDA TEKNOLOGI - Kota Bandung, Jawa Barat 40261

Jan 2025 - Jul 2025

Web Developer (Internship)

- Building a news portal website to make it easier to get information
- Design the user interface to be easy for users to understand
- Implementing API for data processing on the backend

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.

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

Member of Training Division

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

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

- **Projects** (2024): Development of Website UD. Marudut Tani
- **Projects** (2024): Building a Human Number Detection and Recording System
- **Projects** (2024): Developing the HIMATIF Apps mobile application
- **Projects** (2025): Development of Kawalptnku Information System
- **Achievements** (2024): DATATHON 2024
- **Achievements** (2024): Peserta Competitive Programming
- **Achievements** (2025): Peserta Gemastik 2025
- **Achievements** (2025): IBM Machine Learning
- **Language**: Indonesia (Native) / English (Beginner)
- **Hard Skills**: Web Development, Mobile Development, Programming Language, Database Management, API, IoT, Framework and OOP, Git, AWS Cloud, Computer Vision, Embedded System
- **Soft Skills**: Communication, Leadership, Collaboration Team, Critical Thinking, Problem Solving, Time Management