



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 - Situluama, Kec. Balige, Toba, Sumatera Utara 22381	Aug 2023 - Jun 2026 (Expected)
<i>Diploma in Information Engineering, 3.37/4.00</i>	
<ul style="list-style-type: none">Relevant Courses: Web Developer, Database Systems, Algorithms & Mobile App DeveloperPart of the committee to introduce the campus environment to first-year studentsDeveloped 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
<i>Lead Developer</i>	
<ul style="list-style-type: none">Collaborated in developing real-world projects tailored to client needsLed the web development team to deliver projects on targetContinuously explored and adopted emerging technologies to address industry demands.	
Institut Teknologi Del - Laguboti, Toba, Sumatera Utara 22381	Jan 2025 - May 2025
<i>Assistant Lecturer</i>	
<ul style="list-style-type: none">Assisted 55+ first-year students in discrete mathematics courseAccompanying 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
<i>Assistant Matriculation Committee</i>	
<ul style="list-style-type: none">Assisted 60+ first year students in Programming IntroductionResponsible for introducing the world of lectures to first-year studentsFamiliar with C, HTML, and Microsoft Office for processing documents, data and presentations	
Institut Teknologi Del - Laguboti, Toba, Sumatera Utara 22381	Aug 2024
<i>Member of Training Division Love Almamater Program</i>	
<ul style="list-style-type: none">Physically and discipline training for 500+ first-year studentsCollaborates with other divisions to train first-year students	
PT. BPR Bandar Jaya - Perdagangan I, Kec. Bandar, Simalungun, Sumatera Utara 21184	Feb 2022 - May 2022
<i>Technician System</i>	
<ul style="list-style-type: none">Install the new hardware so it is ready for useManage and analyze financial data at the bank using Microsoft OfficeMaintain all hardware and software ready for use before business hours	

Organisational Experience

HIMATIF - Laguboti, Kec. Balige, Toba, Sumatera Utara 22381	Nov 2025 - Present
<i>Head of Education Division</i>	
<ul style="list-style-type: none">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

- **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)