Enrico Hezkiel Sirait

enricohs30@gmail.com | (+62) 813-1638-0009

https://www.linkedin.com/in/enrico-sirait | https://github.com/Enrichez

EDUCATION

Institut Teknologi Del | *Bachelor of Informatics*   Toba, Indonesia | **Aug 2021 – Sept 2025**
Cumulative **GPA**: **3.80/4.00**

EXPERIENCE

Software Developer Intern | *Indonesia AirAsia*   Tangerang, Indonesia | **Aug 2024 – Jan 2025**
- Co-developed a Cabin Crew Training Management System with a 2-person team using Google Workspace and MySQL
- Solved the inefficiency of manual crew data updates problem by implementing automated renewal notifications at admin dashboard, enabling effective management of records for 1,200+ users

Web Developer Intern | *Penerbit Deepublish*   Yogyakarta, Indonesia | **Jun 2024 – Aug 2024**
- Worked with 2 developers to design, implement and testing a new module, Asset Loan Management module in the company's HRIS system with Laravel, Bootstrap and MySQL
- Analyzed and restructured business processes, mapping them into 3 core functions (asset item management, loan request, loan approval), which reduced manual processing time

Math Academic Assistant | *Institut Teknologi Del*   Toba, Indonesia | **Aug 2022 – April 2024**
- Assisted lecturers in delivering coursework for Calculus I, Calculus II, and Probability & Statistics across 3 academic semesters by tutored 50+ students per semester from 3 different majors

PROJECTS

Progamify, Gamified Mobile Learning Application | *Full Stack Developer, Mobile Developer*
Final Thesis Project | **Sep 2024 – June 2025**
- Collaborated within a 3-person team to design and develop a mobile gamified learning application using Flutter, alongside a web-based admin panel built with Laravel.
- Researched gamification strategies through 7 literature reviews and 11 application benchmarks, resulting in the identification of 14 key gamification elements for implementation.
- Increased user motivation and engagement by integrating gamification features, validated through an HMSAM evaluation with an average of 80% positive outcomes, based on an experiment involving 114 students.

FRK/FED Platform, Academic Planning and Evaluation Platform | *Full Stack Developer,*
Final Project on Software Project Management Course | **Jan 2024 – June 2024**
- Worked within a 20+ member team (analysts, designers, developers, and QA) to deliver a large-scale project with a microservices architecture in a single semester.
- Developed 4 services: 1 frontend (built with Bootstrap, in collaboration with the UI/UX design team) and 3 backend services, including API testing and validation using Postman.

SKILLS

- **Programming Skills**:   *C, Java, HTML, CSS, Javascript, PHP, Dart, Go, Python, SQL*
- **Frameworks**:   *Laravel, Flutter, React, Gin, Bootstrap*
- **Tools**:   *Visual Studio Code, Git, Figma, Canva, Draw.io, Android Studio, XAMPP, Postman, DBeaver, Visual Paradigm*
- **Language**:   *Bahasa Indonesia (Native), English (Limited Working Proficiency, TOEFL ITP: 534/677)*