RAEFANDY FADILA

+6287879564171 | raefandyfa@gmail.com | linkedin.com/in/raefandy-fadila/ | portofolio : raefandyfadila.rfstore.net

Software engineering enthusiast with expertise in back-end development (Golang, Node.js, SQL/NoSQL), web front-end development (HTML, CSS, ReactJs/ts, Next.js, Tailwind CSS). Actively keeping up with technological advancements and experienced in building full web applications.

Education Level

Universitas Bina Nusantara - **Bekasi, Indonesia**   Sep 2021 - Feb 2025
Undergraduate in Business Information Technology - School of Information Systems, 3.72/4.00

Work & Academy Experiences

Bangkit Academy led by Google, Tokopedia, Gojek, & Traveloka - **Jakarta, Indonesia**   Sep 2024 - Jan 2025
Cloud Computing Cohort
- Focused on **Cloud Computing** with hands-on experience in designing and developing scalable backend systems using **Google Cloud Platform (GCP)**.
- One of the key projects I worked on with my team was **Giku: Nutrition and Stunting Risk Management Application – an Android-based platform powered by AI** to monitor and manage stunting risks among children in Indonesia. This project showcased the integration of **cloud technologies and machine learning** to address critical health challenges.
- Integrated cloud services such as **Google Cloud Run**, **Firebase**, and **Google Cloud Storage**, and applied **TensorFlow.js** for real-time image classification.
- Developed and documented RESTful APIs with **Node.js** and **Express.js**, and wrote API documentation using **Swagger** to facilitate frontend integration.

PT United Tractors Tbk - **Jakarta, Indonesia**   Feb 2024 - Jun 2024
Front End Developer Intern
- Developed a responsive feedback platform called Grood, used internally by United Tractors employees, using **React (TypeScript)**, **Tailwind CSS**, **Material UI**, **React Query,** and **Redux, etc**. The platform was successfully launched and adopted in May 2024.
- Doing a development front end for the general affairs system used to manage various operational and administrative aspects of the company, using **React (TypeScript)**, **Tailwind CSS**, **Material UI**, **React Query,** and **Redux, etc**. This system includes inventory management, facility maintenance, asset management, logistics arrangements, as well as general administration such as document and resource management at the office of PT United Tractors Tbk called WebGasys. This system helps increase operational efficiency and improve work processes.
- Collaborated within a team applying **Agile methodologies**, using **Azure DevOps** for sprint planning, task tracking, and **CI/CD** workflows to ensure efficient and structured development.
- Creating a project innovation for the company is giving ideas to create a website tracking performance assessment for the management trainee program in the company. Assessment of performance in companies is often based only on the final presentation so it can be biased and does not reflect performance throughout the year.

BINUS IT Division - **Jakarta, Indonesia**   Oct 2022 - Feb 2023
Associate Member
- Learn and explore material create a website using **React JS**.
- Create some project training and web-based company **React JS**.

Projects

Website Instant Feedback (Internship Project at United Tractors Tbk) – **Front End**
Tech Stack: HTML, CSS, Javascript, Taildwind CSS, React Typescript, Material UI, React Query, Redux, Vite, Axios, etc.
- Developed a fully responsive **React TypeScript** web application to digitize and streamline the annual employee feedback process at PT United Tractors Tbk.
- Implemented real-time feedback submission and retrieval using **React Query** for efficient data fetching and caching.
- Designed interactive UI components with **Material UI** and **Tailwind CSS** to ensure consistent and accessible user experience.
- Integrated **Axios** for API communication, enabling seamless interaction between frontend and backend services.
- Optimized development experience and build speed using **Vite**, supporting modern React tooling and **TypeScript** integration

Library API – Golang Backend Service for Book Borrowing System [Github Link] – **Back End**
Tech Stack: Go (Golang), Gin, GORM, MySQL, JWT, bcrypt, REST API, Postman, Git, etc.
- Developed a **RESTful API** backend service using **Go (Golang)** and **Gin** framework for managing a digital library system with three core modules: user, book, and loan.
- Structured the project using layered architecture: **handler**, **service**, **repository**, and **DTO**, ensuring code scalability and testability.
- Built complete **CRUD** functionality for each module:
  - User: registration, login with **JWT authentication**, and profile updates
  - Book: listing, creation, update (including stock changes), and deletion
  - Loan: borrowing, returning books with status, start date, end date, and returned date tracking
- Integrated **GORM** ORM with **MySQL** to handle relational database operations and foreign key associations.
- Secured user authentication using **bcrypt** for password hashing and **JWT tokens** for protected routes.

Hiking Buddy Progressive Web Apps for Climbers (Thesis Project) [Github Link] – Full Stack

Tech Stack: Next.js, Tailwind CSS, Material UI, Node.js, Express.js, MySQL, REST API, Vite, Axios, Midtrans Payment Gateway, PWA, etc.

- Developed a **Progressive Web App (PWA)** using **Next.js** to assist hikers in planning trips with features like ticket booking, articles, community forums, equipment rentals, route info, and mountain condition updates.
- Implemented secure payment integration using **Midtrans Payment Gateway** for seamless ticket transactions.
- Built **RESTful APIs** with **Node.js** and **Express.js** to handle backend operations and database interactions.
- Integrated PWA features to enable offline access and improve app performance on mobile devices.
- Managed data persistence with **MySQL** and ensured data integrity throughout the application lifecycle.

Giku - Android Nutrition & Stunting Monitoring App (Bangkit Academy Final Project) [Github Link] [Swagger Link] – Back End

Tech Stack: Firebase NoSQL, Google Cloud Storage, Google Cloud Run, Docker, Swagger, JWT, TensorFlow.js, Node.js, Axios, Visual Studio Code, etc.

- Integrated **TensorFlow.js** for real-time image classification and nutrition analysis within the app
- Developed backend services using **Node.js**, containerized with **Docker**, and deployed to **Google Cloud Run** for scalable and cost-effective API delivery.
- Implemented **JWT-based authentication** for securing API endpoints, ensuring only verified users can access personalized nutrition and monitoring features.
- Managed user data storage securely using **Firebase NoSQL** and **Google Cloud Storage**.
- Collaborated with a cross-functional team (mobile, ML) to deliver seamless integration between machine learning models and backend endpoints.
- Created and maintained API documentation using **Swagger**, improving team collaboration and front-end integration.

Organizational Experience

UKM Badminton BINUS - **Bekasi, Indonesia**   Jun 2022 - Dec 2023

Activist

- Became an activist in the training division in charge of organizing the training in Bekasi.
- Participated in the Binus Badminton expo event as an event division and get 60+ participants to join UKM Badminton BINUS as a record for UKM Badminton BINUS in the Bekasi region.

Skills, Achievements & Other Experience

- **Soft Skills** : Teamwork, Adaptability, Critical Thinking, Public Speaking, Problem Analysis and Solving, Well Organized and Digitally Savvy.
- **Programming Languages:** Javascript, Typescript, Golang, Python.
- **Frameworks:** Next.js, Gin.
- **Other Programming Skills** : HTML, CSS, Node Js, Express Js, React Js, Tailwind, Bootstrap, Material UI, Axios, Restful & RestAPI, GORM, MySQL, JWT, Tanstack Query, Vite, ESLint, Mysql, Google Cloud Platform, MVC (Model-View-Controller), Git, Github, Docker, SQL, Figma, UML, ERD.
- **Projects** g: HikingBuddy, Grood, Golang Library Api, WebGasys, Egg Mini Store, Uni Store, Simon Kit, Google Keep Clone
- **Modules Taken** g (2024): Bangkit Academy 2024 led by Google, Tokopedia, Gojek, & Traveloka – Cloud Computing
- **Modules Taken** g (2023): Binus IT Division: Web Development Using React JS
- **Modules Taken** g (2022): Udemy : The Complete Web Development Bootcamp
- **Modules Taken** g (2022): Udemy : Complete Python Bootcamp From Zero to Hero in Python