

ADRIAN FAHRI AFFANDI

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Education

Bachelor of Engineering, Information System and Technology

Jun 2021 – Present

Institut Teknologi Bandung

- Studying Information Systems and Technology with a focus on Software Engineering
- **Relevant courses:** Software Engineering IST, Algorithm and Data Structure IST, Object Oriented Programming IST, Database Management, Information System & Technology Services.

Cloud Computing Cohort

Feb 2024 – Present

Bangkit Academy led by Google, Tokopedia, Gojek, & Traveloka

- An intensive training program in Cloud Computing.
- Learned various aspects of Cloud Computing, including Cloud Computing Fundamentals, Cloud Infrastructure Services (Compute, Storage, Networking), Cloud Platform Services, Cloud Security, DevOps

Work Experience

IT Development Associate

Jun 2023 – Present

Society of Renewable Energy ITB

- Developed and maintained RESTful APIs, handling frontend requests to ensure smooth communication between frontend and backend systems.
- Responsible for database modelling and management using MySQL, ensuring data integrity and optimized query performance.
- Managed end-to-end deployment processes using cPanel, ensuring efficient and error-free deployment of web applications.

Head of Backend Engineering

Feb 2023 – Apr 2023

IT Parade Wisuda April ITB 2023

- Configured and maintained deployment processes, server settings, file permissions, and databases via cPanel interface for optimal application performance
- Responsible for overseeing a team of 9 member

Leadership Activities

Head of Jatinangor Local Coordinator Division

Jun 2023 – Present

HMIF ITB

- Overseeing both External Affairs and Internal Affairs divisions, responsible for organizing and managing internal and external events within the HMIF ITB Jatinangor area.

Vice Secretary General

Sept 2023 – Nov 2023

Parade Wisuda Oktober ITB 2023

- Responsible for the planning and implementation of event coordination, especially in the ITB Jatinangor area.
- Draft, review and edit official documents, reports and correspondence, ensuring accuracy and adherence to organizational standards.

Head of Event Organizer

Aug 2023 – Nov 2023

Metafest ITB 2024

- Oversee on-site event operations, addressing any issues that may arise and ensuring a smooth and successful event.
- Coordinate and manage a number of participating vendors, including the fulfilment of their needs, such as the provision of technical equipment, catering services, and other logistical needs.
- Responsible for overseeing a team of 12 member

Project

SiBiru ITB Shuttle Tracker

Sept 2023 – Des 2023

SiBiru is the ITB shuttle tracking app providing real-time information on shuttle locations and arrival times at key points in the Institut Teknologi Bandung (ITB) Jatinangor

- Designed, developed, and implemented a robust RESTful API, ensuring seamless communication between the SiBiru ITB Shuttle Tracker app and the backend server
- Strengthened security measures by integrating OAuth authentication with Django and implemented a NoSQL database (e.g., Firebase) managing and storing real-time shuttle tracking data efficiently.

Patient Queue Management System (PQMS)

Sept 2023 – Des 2023

PQMS is a Web-Based Application for monitoring patient queues in hospitals and healthcare Services.

- Led the entire development lifecycle of the Patient Queue Management System, overseeing the project from initiation to delivery, ensuring alignment with client requirements and project timelines.
- Developed the frontend of the web-based application using cutting-edge technologies, including React, Next.js, and TypeScript, to create an intuitive and responsive user interface for efficient patient queue monitoring.
- Successfully integrated and configured the application backend with a SQL database using Supabase, ensuring seamless data flow and efficient handling of patient queue information in hospitals and healthcare services.

Inventory Management System (IMS)

Sept 2023 – Des 2023

IMS is a Mobile-Based Application warehouse management application, that enhances real-time control over inventory movements and significantly improves warehouse efficiency

- Spearheaded the development of the Warehouse Management Application using Flutter, leveraging Object-Oriented Programming (OOP) principles to ensure a modular, scalable, and maintainable codebase.
- Integrated the application seamlessly with Firebase, a NoSQL database, enabling real-time control and tracking of inventory movements within the warehouse. This integration contributed to a significant enhancement in overall warehouse efficiency.

Achievement

2nd Place in the Indonesian Flying Robot Contest (KRTI)

Sept 2023

Puspresnas & Kemendikbudristek

- Secured 2nd place in the Indonesian Flying Robot Contest (KRTI) in the Technology Development category (Flight Controller Development)
- Contributed as a Firmware Engineer within the team, responsible for software development utilizing C++ programming language.

Top 5 Finalists of Dig In Business IT Case Competition

Sept 2023

Puspresnas & Kemendikbudristek

- Showcased proficiency in strategic problem-solving and analytical skills, securing a spot among the top finalists in the Dig In Business IT Case Competition at Bina Nusantara University in February 2023.

Skills

Technologies : Python, Java, SQL, RESTful API, Django, C, C++, JS, TS, NEXT, React, PHP, Laravel

Tools : Git, Docker, Cpanel

Softskills : Backend Engineering, Frontend Engineering, OAuth Implementation