

# NAUFAL FADHIL IHSAN FIKRI ASH SHIDQI

Software Engineer |  
Fullstack Developer | Project  
Manager



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🎥 https://www.youtube.com/@zonadeveloper

## EDUCATION

### Currently in 7th semester

Jenderal Achmad Yani University

09/2022 – present | Cimahi, Indonesia

Currently pursuing a Bachelor's degree in Informatics Engineering, specializing in fullstack development and software engineering. Actively engaged in academic and freelance projects using modern web and mobile technologies.

## LANGUAGES

Indonesian



Sundanese



English



## PROJECTS

### Digital Info & Communication Monitoring System – Curup II Education Office

Associated with Curup II Education Office

10/2025 – 11/2025

Built a full-stack web application to monitor and manage digital information and communication for the Curup II Education Office. Utilized React, Next.js, Nest.js, Node.js, and TypeScript for scalable front-end and back-end development. Integrated Supabase for database management and implemented Tailwind CSS for responsive UI, ensuring efficient data tracking and reporting.

#### Key Skills:

- **Front-end:** React, Next.js, Tailwind CSS
- **Back-end:** Nest.js, Node.js
- **Database & Cloud:** Supabase
- **Programming & Tools:** TypeScript, REST APIs, Full-Stack Development
- **Others:** Responsive Design, Data Monitoring, Web Application Optimization

### PTSP – Online Service Management System

Associated with Indonesian Agency for Meteorology, Climatology, and Geophysics (BMKG)

01/2024 – present

**Client:** BMKG Bengkulu **Role:** Fullstack Developer & Project Lead **Stack:** React.js · Next.js · Node.js · Firebase · Tailwind CSS

- Built PTSP, a digital platform for managing public service requests and internal workflows.
- Implemented real-time data, secure auth, and responsive UI using Firebase, React, and Next.js.
- Led end-to-end fullstack development with focus on scalability, maintainability, and user accessibility.

## PROFILE

Highly skilled **Full-Stack Cross-Platform Developer** with proven experience in designing, developing, and deploying **scalable, secure, and high-performance applications** across **web, mobile, and desktop platforms**. Strong specialization in **backend architecture and system design** using **NestJS, Laravel, and TypeScript**, with deep expertise in **RESTful APIs, Redux Toolkit, dependency injection, middleware patterns, and modular architectures**. Demonstrated ability to deliver seamless **frontend-backend integration** and responsive, user-centric interfaces using **React.js, React Native, Next.js, Flutter, and Tailwind CSS**. Experienced in leveraging **cloud-native platforms** such as **Firebase and Supabase**, and implementing **DevOps best practices** with **Docker, CI/CD pipelines, and GitHub Actions** for automated deployments on **Vercel, Railway, and Firebase Hosting**. Proven **technical leader** in **Agile/Scrum environments**, owning the full development lifecycle—from requirements analysis and system architecture to production deployment. **Founder & Lead at Bhinneka Dev**, successfully managing and delivering **client-focused digital transformation solutions** for government and academic institutions.

### Core Competencies

**Frontend & Mobile Development** React.js · React Native · Redux Toolkit · Next.js · Flutter · Expo · Tailwind CSS · Responsive UI/UX  
**Backend Development** NestJS (Advanced) · Node.js · Laravel · Express.js · Firebase Functions · Supabase Edge Functions · RESTful APIs  
**Databases** PostgreSQL · MySQL · MongoDB · Firestore · Realtime Database · Supabase  
**Programming Languages** JavaScript · TypeScript · Dart · PHP · C · C++  
**DevOps & Cloud** Docker · Git · GitHub Actions · CI/CD · Vercel · Railway · Firebase Hosting · Postman  
**IoT & Embedded Systems** Arduino · ESP8266 · ESP32  
**Project Management & Collaboration** Agile · Scrum · Jira · Linear · Team Leadership

**Key Skills:** React.js · Next.js · Node.js · Firebase Auth · Firestore · Tailwind CSS · Git · Scrum · Debugging

### Met Flight Radar

Associated with Indonesian Agency for Meteorology, Climatology, and Geophysics (BMKG)  
05/2025 – present  
**Client:** BMKG Meteorologi Bengkulu  
**Role:** Fullstack Developer **Stack:** Next.js · TypeScript · Tailwind CSS · Firebase · OpenWeather API · OpenSky API · BMKG API · Vercel  
• Developed **Met Flight Radar**, a cross-platform web application for visualizing real-time flight tracking and weather data tailored to BMKG Meteorologi Bengkulu's operational needs. • Integrated APIs from **BMKG**, **OpenWeather**, and **OpenSky Network** to deliver aviation alerts, live flight information, and current meteorological conditions. • Engineered a responsive frontend using **Next.js** and **Tailwind CSS**, with server-side rendering (SSR) for optimized performance and SEO. • Utilized **Firebase Hosting** and **Vercel CI/CD pipelines** to ensure seamless deployment and scalability. • Delivered a user-centric dashboard to support aviation personnel in monitoring weather-critical flight data.  
**Key Skills:** Next.js · TypeScript · API Integration · Tailwind CSS · Firebase Hosting · Real-time Data · Responsive UI · Weather & Flight Data Visualization · Server-Side Rendering (SSR) · Cloud Functions

### Local Geophysics Database of Bengkulu

Fullstack Developer  
02/2025 – 07/2025  
**Description:** Developed and managed a **comprehensive local geophysics database** for the Bengkulu region, consolidating data such as seismic activity, magnetic fields, and environmental parameters. Enabled **real-time data integration, user-friendly access, and analytical capabilities** to support researchers, government agencies, and stakeholders in **disaster preparedness and environmental monitoring**.  
**Skills / Tech Stack:** NestJS, Next.js, Supabase, Tailwind CSS, TypeScript, RESTful API Integration, Fullstack Development

### BMKG Bengkulu Guest Book

Fullstack Developer  
02/2025 – 07/2025  
Developed a **digital guest book platform** for BMKG Bengkulu to efficiently record and manage visitor information. Improved **visitor management, administrative processes, and data accuracy** for reporting and security purposes.  
**Skills / Tech Stack:** NestJS, Next.js, Supabase, Tailwind CSS, TypeScript, RESTful API Integration

## PROFESSIONAL EXPERIENCE

### elKopra

Full Stack Developer

09/2025 – Present

Bandung, West Java, Indonesia

- Design, develop, and maintain **scalable web and cross-platform applications** using modern technologies and engineering best practices.
- Build responsive, user-friendly interfaces with **React.js and React Native**, utilizing **HTML5, CSS, and Tailwind CSS**.
- Develop and maintain backend services using **PHP and Laravel**, implementing secure and efficient **RESTful APIs**.
- Apply **Redux** for state management and implement **microservices architecture** to ensure system modularity and scalability.
- Utilize **Docker** to streamline development workflows and maintain consistency across environments.
- Collaborate with cross-functional teams to deliver reliable solutions aligned with business requirements and performance goals.

**Tech Stack:** React.js, React Native, JavaScript, PHP, Laravel, Redux, Tailwind CSS, Docker, REST APIs

### PT Indonesia Tekno Kreatif

Full Stack Developer

08/2025 – Present | Hybrid

- Develop and maintain **scalable, high-performance web applications** supporting the company's **geospatial and mapping solutions**.
- Build modern, responsive user interfaces using **React.js and Next.js** with **Tailwind CSS**, focusing on usability and performance.
- Design and implement **backend services and RESTful APIs** using **NestJS and Laravel (PHP)** to support complex business logic.
- Design, optimize, and manage **PostgreSQL databases**, improving query performance and handling **geospatial data** efficiently.
- Integrate **internal and third-party APIs** to enhance data accuracy and application interactivity.
- Apply **clean code principles, modular architecture, and reusable components** to ensure maintainability and scalability.
- Collaborate in a **Git-based workflow**, participating in testing, deployment, and continuous improvement processes.

**Tech Stack:** React.js, Next.js, TypeScript, JavaScript, NestJS, Node.js, Laravel, PHP, PostgreSQL, Tailwind CSS, REST APIs, Git

### Online Climatology Organizational Structure – BMKG Bengkulu

Fullstack Developer

02/2025 – 07/2025

Designed and implemented a **web-based system** to display and manage the organizational structure of the Climatology Division at BMKG Bengkulu. Enabled **intuitive visualization of hierarchy, personnel details, and reporting lines**, improving organizational transparency, accessibility, and operational efficiency. **Skills / Tech Stack:** NestJS, Next.js, TypeScript, Tailwind CSS, RESTful API Integration, Web Application Development

### Bhinneka Dev – Developer Portfolio Website

Associated with Bhinneka Dev

11/2024 – 12/2024

**Personal Project | Role:** Fullstack Developer **Stack:** Next.js

- Firebase · Tailwind CSS
- Designed and developed a responsive and modern **portfolio website** to showcase professional projects, technical skills, and experience.
- Utilized **Next.js** for server-side rendering, dynamic routing, and enhanced SEO performance.
- Integrated **Firebase** for authentication, hosting, and real-time database management.
- Focused on building a **clean UI**, fast load times, and mobile-friendly design.

**Key Skills:** Next.js · Firebase (Auth, Hosting, Realtime DB) · Tailwind CSS · Web Performance · SEO Optimization · Responsive Design · UI/UX · Git · Fullstack Development

### FSI – Academic Information System

Associated with Unjani

08/2024 – 09/2024

**Client:** UNJANI Faculty | **Role:** Fullstack Developer **Stack:**

PHP · MySQL · JavaScript · HTML · CSS

- Developed **FSI (Faculty System Information)**, a custom academic platform to manage student data, courses, and administrative workflows.
- Built entirely with **vanilla technologies** (no frameworks) focusing on **performance, maintainability, and clean UI**.
- Implemented CRUD operations, role-based access, and responsive design to support daily academic operations.

**Key Skills:** PHP · MySQL · JavaScript (Vanilla) · HTML5 · CSS3 · Responsive Design · Web Development · Database Management · UI/UX

### SIMORE – Web-Based Reporting System

Associated with BASARNAS

06/2024 – 07/2024

**Client:** BASARNAS | **Role:** Fullstack Developer **Stack:** PHP

· MySQL · JavaScript · HTML · CSS

- Developed **SIMORE (Sistem Monitoring dan Pelaporan)**, a lightweight web-based platform to manage **disaster operation reports** and real-time monitoring.

## **Indonesian Agency for Meteorology, Climatology, and Geophysics (BMKG)**

Full Stack Engineer & Team Leader

01/2024 – Present | Hybrid

- Lead the development of **cross-platform web and mobile applications** supporting BMKG's digital transformation across **Meteorology, Climatology, and Geophysics** divisions.
- Design and implement **scalable full-stack architectures**, covering frontend, backend, database, and deployment.
- Build mobile applications using **React Native (Expo)** and web applications using **Next.js** and **NestJS**, with cloud backends powered by **Supabase and Firebase**.
- Integrate **RESTful APIs** and real-time data services for weather, aviation, and geophysical information systems.
- Mentor developers, conduct **code reviews**, and coordinate team tasks to ensure code quality, performance, and timely delivery.
- Collaborate directly with **government stakeholders** to translate operational requirements into reliable technical solutions.

**Tech Stack:** React Native, Expo, Next.js, NestJS, TypeScript, Node.js, Supabase, Firebase, Docker, REST APIs, Git

## **Founder & Fullstack Developer**

Bhinneka Dev · Freelance Team

01/2024 – present

Remote & Hybrid, Indonesia

- Founded and led a **freelance software development team** delivering digital solutions for **government and academic institutions**.
- Led **end-to-end full-stack development**, including system architecture, frontend and backend implementation, database design, and deployment.
- Built **scalable web and cross-platform applications** using **React.js, React Native, Node.js, Firebase, Supabase, and MySQL**.
- Managed **project planning, sprint execution, and client communication** using **Agile/Scrum** practices to ensure timely and high-quality deliveries.
- Collaborated directly with institutional stakeholders to translate operational requirements into maintainable technical solutions with strong **UI/UX focus**.

### **Key Projects:**

- **BMKG** – Developed the **PTSP MKG public service portal** and internal operational dashboards.
- **BASARNAS** – Built a **disaster response and reporting system** to support operational data tracking and decision-making.

- Built using **vanilla web technologies**, ensuring **high performance and reliability** in field operations.
- Implemented responsive design, secure data handling, and printable report generation features.

**Key Skills:** PHP · MySQL · JavaScript · HTML5 · CSS3 · Data Reporting · Fullstack Development · Responsive Design · UI/UX · Web App Optimization

## AWARDS

### **Certificate of Appreciation – Fullstack Cross-Platform Internship**

Indonesian Agency for Meteorology, Climatology, and Geophysics (BMKG) – Kepahiang Geophysical Station

29/07/2025

Awarded to **Naufal Fadhil Ihsan Fikri Ash-Shidqi** in recognition of outstanding performance as a **Fullstack Cross-Platform Intern**. Contributed significantly to the project "**Feature Enhancement and Maintenance of the Earthquake Database Website**" during the student internship program (March – July 2025).

#### **Key Highlights:**

- Developed and maintained web features for the Earthquake Database platform
- Applied **fullstack cross-platform development skills** using modern web technologies
- Recognized for delivering high-quality, efficient, and reliable solutions

### **Certificate of Appreciation – Fullstack Cross-Platform Internship**

Meteorological, Climatological, and Geophysical Agency (BMKG) – Kepahiang Climatological Station, Indonesia

29/07/2025

Awarded for **outstanding performance** during the student internship program (March – July 2025) as a **Fullstack Cross-Platform Developer**. Contributed to multiple digital transformation initiatives, including:

- Developed the **Integrated One-Stop Service (PTSP) Website** for BMKG Bengkulu Province
- Built the **Visitor Guest Book Website** for BMKG Bengkulu Province
- Created the **Digital Employee Directory Website** for the Climatological Station

**Key Skills Demonstrated:** Fullstack Development, Cross-Platform Web & Mobile, UI/UX Implementation, Scalable Architecture

### **Certificate of Appreciation – Fullstack Cross-Platform Internship**

Indonesian Agency for Meteorology, Climatology, and Geophysics (BMKG) – Kepahiang Geophysical Station

14/08/2025

**Awarded for outstanding performance during the student internship program (March – July 2025) as a Fullstack Cross-Platform Developer.**

- **Universitas Jenderal Achmad Yani (UNJANI)** – Developed an **academic information system** with authentication and **role-based access control**.
- **Dinas Sosial Bengkulu (Curup)** – Developed a **social services management system** to handle beneficiary data, service workflows, and reporting, improving data accuracy and administrative efficiency.

**Tech Stack:** React.js, React Native, Node.js, Firebase, Supabase, MySQL, REST APIs, Git, Agile/Scrum

#### **Project Manager & Software Engineer**

BMKG · Internship

02/2025 – 07/2025 | Hybrid, Indonesia

- Served in a **dual role as Project Manager and Software Engineer** on digital transformation projects for BMKG.
- Led **project planning, sprint execution, and task coordination** using **Agile/Scrum** practices to ensure on-time delivery.
- Collaborated directly with **BMKG stakeholders** to gather requirements and translate operational needs into technical solutions.
- Contributed to **full-stack development**, improving system architecture, code structure, and performance across multiple applications.
- Built and maintained web and mobile solutions using **React, React Native, Node.js, Supabase, and Firebase**.
- Conducted **code reviews**, ensured development best practices, and supported team collaboration across disciplines.

**Tech Stack:** React.js, React Native, Node.js, TypeScript, Supabase, Firebase, REST APIs, Git, Agile/Scrum

#### **PT. Minilemon Nusantara**

Team Leader Frontend Web Developer

06/2025 – 09/2025 | Remote

#### **Team Leader Frontend Web Developer PT. Minilemon Nusantara | Remote Jun 2025 – Sep 2025**

- Led and coordinated a frontend team to deliver **scalable, high-performance web applications**.
- Designed and maintained **frontend architecture** using **React.js and Next.js**, ensuring clean, reusable, and maintainable code.
- Conducted **code reviews**, enforced frontend best practices, and mentored developers to improve overall code quality.
- Collaborated closely with **UI/UX designers and backend engineers** to ensure seamless integration and optimal user experience.

Contributed to innovative meteorological and aviation digital transformation initiatives, including:

- Developed **MetFlightRadar**, an integrated system combining **BMKG OpenWeather Radar** with **OpenSky Network Aircraft Data**, enabling real-time monitoring of aircraft flight paths over meteorological radar coverage.
- Designed and implemented **geospatial visualization dashboards**, displaying radar imagery overlay with live aircraft trajectories to enhance aviation safety and situational awareness.
- Built scalable backend services and APIs for **real-time data synchronization** between weather radar feeds and aircraft tracking datasets.

**Key Skills Demonstrated:** Fullstack Development, Data Integration, Real-Time Systems, Geospatial Visualization, API Engineering, Scalable Architecture.

#### **Certificate of Apprenticeship – IT Mobile Developer**

PT Minilemon Nusantara & d'Topeng Kingdom Group, Indonesia

20/06/2025

Successfully completed a **6-month apprenticeship program** as an **IT Mobile Developer**. Gained hands-on experience in **mobile application development, UI implementation, and collaborative team projects**.

Received a performance evaluation of "**Fairly Good**".

**Key Skills Demonstrated:** Mobile Development, UI/UX Design, Team Collaboration, React Native, Cross-Platform Development

#### **Award for the Development of SIMORE Website – Fullstack Web Developer / Problem Solver**

BASARNAS (National Search and Rescue Agency), Bengkulu Province

18/07/2024

For outstanding performance as **Team Leader, Fullstack Web Developer, and Software Engineer (Problem Solver)** in the successful development and deployment of **SIMORE** (Monitoring System for Rescuer Competence) for **BASARNAS Bengkulu Province**. Recognized for exceptional problem-solving skills, leadership, and technical execution.

- Implemented responsive user interfaces using **Tailwind CSS** and optimized performance across browsers and devices.
- Contributed to sprint planning and task management in an **agile development environment**.

**Tech Stack:** React.js, Next.js, TypeScript, JavaScript, Tailwind CSS, REST APIs, Git, GitHub

### **Senior Mobile Developer**

PT. Minilemon Nusantara · Fulltime

05/2025 – 09/2025 | Remote, Indonesia

- Led the development of production-ready mobile applications using **React Native (Expo)**.
- Defined mobile application architecture and implemented best practices for **scalability, performance, and maintainability**.
- Mentored junior mobile developers through **code reviews, technical guidance, and knowledge sharing**.
- Collaborated closely with **UI/UX designers and backend engineers** to deliver high-quality features aligned with product requirements.
- Integrated **RESTful APIs**, managed state efficiently, and optimized application performance across devices.
- Improved development workflows, code quality standards, and release stability within an agile environment.

**Tech Stack:** React Native, Expo, TypeScript, JavaScript, REST APIs, Git, GitHub

### **Frontend Mobile Developer**

PT. Minilemon Nusantara · Internship

02/2025 – 07/2025 | Remote, Indonesia

- Developed and maintained cross-platform mobile application features using **React Native (Expo)**.
- Translated **Figma UI/UX designs** into responsive and user-friendly mobile interfaces.
- Integrated **RESTful APIs** and handled data flow between frontend and backend services.
- Optimized mobile performance, component reusability, and application stability.
- Collaborated with designers and backend engineers in an **agile development process** using **Git and GitHub**.
- Participated in sprint planning, task tracking, and code reviews to ensure code quality and timely delivery.

**Tech Stack:** React Native, Expo, TypeScript, JavaScript, REST APIs, Git, GitHub

## Zona Developer · Freelance

Content Creator

01/2024 – present | Remote, Indonesia

- Created educational content for TikTok and YouTube targeting Indonesian-speaking developers.
- Developed hands-on tutorials in frontend and backend technologies including HTML, CSS, Tailwind CSS, React.js, Node.js, React Native, and Firebase.
- Focused on building responsive UIs, clean design systems, and real-world app use cases.
- Built a loyal tech community by simplifying complex concepts for beginner to intermediate audiences. **Skills:** Content Creation, Frontend & Backend Development, UI/UX, Video Editing, Web Development, Firebase

## ORGANISATIONS

### Bhinneka Dev

Project Manager

01/2024 – present | Cimahi, Indonesia

**Role:** Founder & Team Lead **Stack:** React.js ·

Node.js · Firebase · Supabase · Docker

- Founded and lead **Bhinneka Dev**, a software development team serving public sector and academic institutions.
- Spearheaded collaboration with **BMKG Bengkulu** to develop digital tools for climate and geophysical data workflows.
- Delivered **end-to-end fullstack solutions** using **React**, **Node.js**, **Firebase**, **Supabase**, and **Docker** for containerized deployment.
- Oversaw project planning, development, deployment, and client communication within **Agile/Scrum teams**.

**Key Skills:** Technical Leadership · Software Engineering · Fullstack Development · Docker · CI/CD · Agile Coordination · Firebase · Supabase · Client Management

## INTERESTS

- Passionate about building digital products through code and collaboration. Experienced in contributing to impactful projects, exploring full-stack development, and leading startup-style teams to bring ideas to life. Focused on clean code practices, leveraging innovative technologies, and crafting meaningful user experiences.