NAUFAL FADHIL IHSAN FIKRI ASH SHIDQI

Software Engineer | Fullstack Developer | Project Manager

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🎓 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

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**.
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

Highly skilled **Fullstack Cross-Platform Developer** with proven experience in designing, developing, and deploying **scalable**, **secure**, and **high-performance applications** across **Web, Mobile, and Desktop** platforms. Specialized in **backend architecture** and **system design** using **NestJS**, **Laravel**, and **TypeScript**, with advanced proficiency in **RESTful APIs**, **Redux Toolkit**, **Dependency Injection**, **Middleware patterns**, and **modular architecture development**.

Strong expertise in **frontend-backend integration**, **responsive UI/UX engineering**, and **cross-platform solutions** using **React.js**, **React Native**, **Next.js**, **Flutter**, and **Tailwind CSS**. Skilled in leveraging **cloud platforms** such as **Firebase** and **Supabase**, and implementing **DevOps practices** with **Docker**, **CI/CD**, and **GitHub Actions** for automated deployment to **Vercel**, **Railway**, and **Firebase Hosting**.

Demonstrated leadership in **Agile/Scrum** environments with full-lifecycle project ownership — from planning, architecture, and development to production deployment. Founder & Lead at **Bhinneka Dev**, managing and delivering **client-focused digital transformation solutions** with measurable results.

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 Tools: 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

PT Indonesia Tekno Kreatif
Fullstack Developer
08/2025 – Present | Hybrid
Fullstack Developer (Contract)

•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

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

Contributed to modern, responsive, and scalable web applications with focus on geospatial and mapping services.

Responsibilities & Achievements

- Developed interactive web applications using **React.js**, **Next.js**, and **Tailwind CSS** for responsive UI
- **Implemented state management using Redux Toolkit** to handle complex application states and improve performance consistency across components
- Built and maintained backend services using **NestJS** and **Laravel (PHP)** with modular, clean architecture
- Designed and integrated **RESTful APIs**, third-party **geospatial services**, and internal APIs to improve interactivity and data accuracy
- Designed and optimized relational databases using **PostgreSQL** for reliable data storage and efficient queries
- Optimized application performance across frontend and backend layers
- Followed **Git workflows**, version control best practices, and modern **DevOps deployment pipelines**
- Ensured code reusability, scalability, and maintainability following clean code principles

Technologies & Skills

JavaScript | TypeScript | PHP | Laravel | NestJS | Node.js | React.js | Next.js | **Redux Toolkit** | Tailwind CSS | PostgreSQL | API Integration | REST APIs | Geospatial APIs | Fullstack Development | Web Application Architecture | Git | DevOps

Indonesian Agency for Meteorology, Climatology, and Geophysics (BMKG)
Fullstack Cross-Platform Developer & Team Leader
01/2024 – Present | Hybird

Lead the development of **internal web and mobile platforms** to support BMKG's digital transformation initiatives across Meteorology, Climatology, and Geophysics divisions. Specialize in delivering **scalable, user-focused fullstack solutions** with modern cloud-native infrastructure.

Key Projects & Achievements:

- **PTSP MKG (Mobile Public Service Platform):** Developed Android & iOS apps using **React Native (Expo) and Firebase** for authentication, real-time data, and storage
- **MET Flight Radar (Web App):** Built web interface integrating **BMKG, OpenSky, and OpenWeather APIs** for real-time flight and weather monitoring

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.
- 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

- **Digital Guest Book (MKG Divisions):** Created unified guest registration platform using **Next.js, NestJS, Supabase, and Docker**, supporting offline data
- **Organizational Structure Portal:** Developed internal portal for visualizing organizational structure using **Next.js, NestJS, Supabase, Docker**
- **Local Geophysics Database Sync System:** Engineered background service for offline-first data synchronization using **NestJS, Supabase, and Docker**

Tech Stack & Skills: Next.js, NestJS, React Native (Expo), Supabase, Firebase, Docker, REST API Integration, Team Leadership, Fullstack & Cross-Platform Development, Scalable Architecture, UI/UX Implementation

Founder & Fullstack Developer
Bhinneka Dev · Freelance Team
01/2024 – present
Remote & Hybrid, Indonesia

- Established and led a freelance software team serving public and academic institutions.
- Managed fullstack projects using React.js, React Native, Node.js, Firebase, Supabase, and MySQL.
- Led project planning, development workflows, and client communication using Agile practices.
- Delivered scalable, responsive web and mobile applications with focus on clean UI/UX. **Key Projects:**
- **BMKG:** PTSP MKG portal and internal dashboards
- **BASARNAS:** Disaster response system and reporting dashboard
- **UNJANI:** Academic system with authentication and role-based access **Skills:** Fullstack Development, Project Management, Agile, Firebase, Supabase, MySQL, UI/UX

Software Engineer & Project Manager (via Bhinneka Dev)
BMKG (via Bhinneka Dev) · Internship
02/2025 – 07/2025 | Hybrid, Indonesia

- Led development of fullstack mobile applications using **React Native**, **Supabase**, and **Firebase**.
- Managed sprint planning, task tracking, and team collaboration using **Linear** project management tool.
- Coordinated timelines, deliverables, and team workflows to meet client expectations.

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

🎖 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

- Delivered high-impact solutions including a **digital guestbook**, **public information portal**, and **geophysics data dashboard** for BMKG. **Skills:** React Native, Firebase, Supabase, Project Management, Agile, Fullstack Development, Linear, Mobile App Development

PT. Minilemon Nusantara
Team Leader Frontend Web Developer
06/2025 – 09/2025 | Remote

Lead the development of **modern, responsive, and high-performance web applications** using **React, Next.js, and Tailwind CSS**. Collaborate with designers and backend engineers to ensure seamless integration, clean UI, and optimal performance.

Key Responsibilities:
- Guide and mentor frontend development team, ensuring **best practices** and coding standards are maintained
- Architect and implement **scalable frontend solutions** for complex applications
- Conduct **code reviews**, optimize development workflows, and improve code quality
- Collaborate with cross-functional teams to deliver high-quality features on time

Key Skills: React, Next.js, Tailwind CSS, JavaScript, TypeScript, REST API, Git, GitHub, Frontend Architecture, UI/UX

Senior Mobile Developer
PT. Minilemon Nusantara · Fulltime
05/2025 – 09/2025 | Remote, Indonesia

- Spearheaded the development of cross-platform mobile applications using **Expo** and **React Native**, delivering high-performance apps compatible with both iOS and Android.
- Implemented consistent, responsive UI/UX using **NativeWind** for utility-first styling, reducing styling inconsistencies and improving development speed by 30%.
- Collaborated closely with backend developers and UI/UX designers to integrate APIs and translate Figma designs into functional, pixel-perfect screens.
- Optimized app performance and reduced load times through efficient use of asynchronous logic, lazy loading, and reusable component architecture.
- Managed codebase using Git and CI/CD pipelines for streamlined deployment and team collaboration.

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.

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.

Frontend Mobile Developer

PT. Minilemon Nusantara · Internship

02/2025 – 07/2025 | Remote, Indonesia

- Developed mobile interfaces using **React Native**, **Expo**, and **TypeScript** based on Figma UI/UX designs.
- Implemented **responsive layouts** and optimized performance across Android and iOS platforms.
- Collaborated asynchronously with UI/UX designers and backend developers to ensure seamless integration.
- Used **Tailwind CSS** and **GitHub** for styling and version control in a CI/CD workflow. **Skills:** React Native, TypeScript, Tailwind CSS, GitHub, Mobile Optimization, Expo, Figma Integration

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.