

MUHAMMAD FAKHRI DANIAL

fakhridanial29@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#) | Jakarta, Indonesia | Open to Remote / Relocation

PERSONAL PROFILE

Software Engineer with 2+ years of experience in designing and scaling production-grade systems across the full stack. Proven track record in architecting Node.js/Python backend services and React/Next.js dashboards for Enterprise Resource Planning (ERP) and Manufacturing Execution Systems (MES). Successfully deployed solutions across 5+ production facilities supporting global enterprise clients such as McDonald's and KFC. Specialized in database optimization, granular Role-Based Access Control (RBAC), and building high-performance, responsive user interfaces.

ACHIEVEMENTS & AWARDS

3rd Place Winner – Base Indonesia Hackathon 2025 (Thetanuts Track)

Jakarta, Indonesia

Dec 2025 - Feb 2026

- Developed and deployed Vultara, an automated DeFi yield optimizer on Base Mainnet that simplifies institutional-grade option strategies for retail users.
- Architected a Non-Custodial ETH Vault (Solidity) integrated with Thetanuts Finance V4, featuring a custom Withdrawal Queue System to maintain yield generation during lock-up periods.
- Integrated Nova AI, a context-aware assistant powered by Google Gemini and Groq, to provide real-time onchain data analysis and strategy explanations for users.
- Engineered a high-performance frontend using Next.js 16, Tailwind CSS 4, and Wagmi/Viem, achieving a premium "Obsidian Prime" UX with complex micro-interactions.

EXPERIENCE

PT Japfa Comfeed Indonesia Tbk

Jakarta, Indonesia

Full Stack Developer - Intern

Feb 2024 - Feb 2025

- Built iMEXS Web Dashboard from scratch, a production monitoring system deployed to multiple manufacturing facilities to track poultry supply chain data for enterprise clients including McDonald's, KFC, and Richeese Factory.
- Developed responsive frontend using Django templates and Tailwind CSS, translating Figma designs into pixel-accurate interfaces for real-time inventory and production metrics visualization.
- Integrated RESTful APIs to display live operational data, collaborating with backend teams to ensure data accuracy and troubleshoot integration issues during deployment.
- Built "Japfa Innovation" platform from the ground up using Django, managing company-wide business competition workflows (registration, submissions, scoring) and serving 100+ participating teams through custom forms and admin dashboards.
- Proactively learned Python Flask fundamentals through mentorship to strengthen backend understanding and enable more effective cross-functional collaboration.

PT Ciomas Adisatwa

Jakarta, Indonesia

Backend Developer - Contract

Sep 2025 - Present

- Contributed to backend development of a poultry farm recording system managing 130+ operational units and 8,500+ production cycles, integrating with SAP and Oracle for enterprise-wide data synchronization.
- Resolved critical backend bugs during SIT and UAT phases for MVP 1, ensuring stable production deployment of core features including user management, RBAC, notifications, and farm operational workflows (DOC tracking, feed consumption, mortality, harvesting).
- Developed REST APIs for MVP 2 using Node.js (Express), implementing new features such as feed stock tracking, number formatting improvements, and enhanced data flow logic based on technical specifications and API contracts.
- Implemented role-based access control and automated notification systems to support multi-level user permissions across farm supervisors, operations teams, and administrative staff.
- Optimized SQL queries and built scheduled jobs for automated daily reporting, supporting real-time tracking of feed consumption, mortality rates, and inventory management across distributed farm sites.

EDUCATION

Bina Nusantara University

Bachelor of Computer Science

Tangerang, Indonesia

Aug 2021 – Aug 2025

- Focused on advanced software engineering methodologies, distributed systems architecture, and modern database management to build scalable and secure enterprise applications.
- Engineered a modular ISP Customer Management system from the ground up, integrating complex automated billing cycles and secure third-party payment gateway infrastructures.
- Architected a dual-module system to decouple administrative operations from customer-facing features, significantly enhancing data integrity and operational security for service providers.

PROJECTS

RajaWifi - ISP Management System

Sep 2024 - Oct 2025

Full Stack Developer | Flutter, Node.js (Express), React, MySQL, Firebase

(Available on Google Play Store & Apple App Store)

- Co-developed a production ISP management system from the ground up, currently managing 5,000+ registered customers with automated subscription, billing, payment processing, and support ticket workflows.
- Built cross-platform mobile application using Flutter and admin web dashboard using React, enabling ISP staff to manage customer lifecycle end-to-end across mobile and web interfaces.
- Architected granular role-based access control (RBAC) supporting multi-level permissions for finance, sales, technical support, and administrative roles to ensure secure data access and operational efficiency.
- Engineered backend REST APIs using Node.js (Express) and MySQL, handling payment gateway integration, automated invoice generation, and real-time status updates across customer and admin modules.
- Implemented Firebase Cloud Messaging for real-time push notifications, enabling instant alerts for payment confirmations, service updates, and support ticket status changes.
- Solely responsible for ongoing production maintenance, bug fixes, and feature enhancements to support business growth and operational stability post-launch.

TECHNICAL SKILLS

- **Programming Languages** : Python, JavaScript, TypeScript
- **Backend** : Node.js (Express), Django, Flask
- **Frontend** : React.js, Next.js, Flutter, Tailwind CSS
- **Databases** : MySQL, PostgreSQL
- **Tools & Platforms** : Git, Firebase

LANGUAGES

- Indonesian (Native)
- English (Intermediate)