

# MUHAMMAD UBAIDILLAH EL GHIFARI

## Software Engineer

Bantul, Indonesia, Desa tirtohargo, dsn kalangan, Gunung, Kretek Bantul DIY, 55772

ghifariakun@gmail.com +6289502433722

### WEB AND SOCIAL LINKS

[Instagram](#) - [Linkedin](#) - [Portofolio](#)

### SUMMARY

As a achievements Full-Stack Developer and Database Architect , I am convey confident professionalism my skills to a team. My background includes leading the development of innovative applications and various mobile apps using Flutter and React Native. I am passionate about leveraging technology to enhance logistics and shipment processes, and I am excited about the opportunity to drive impactful projects.

### EXPERIENCE

❖ Mentor, Pondok IT Indonesia ..... Jan 2024 — Current  
Yogyakarta, Indonesia

#### *Focused on Technical Instruction and Depth*

Actively participated in the Mentorship Program for Programmer Class students, focusing on enhancing professional competence through intensive guidance from industry practitioners. Served as the core Instructor for critical technical modules, including:

- Computational Thinking
- JavaScript (JS) and PHP Development
- API Design and implementation
- Database Management, including the practical application of CRUD (Create, Read, Update, Delete) operations
- Data Modeling using Entity-Relationship Diagrams (ERD)

Responsibilities encompassed transferring specialized industry knowledge, facilitating career path navigation, and providing constructive feedback on student projects and technical skill development.

❖ Full-Stack Developer & Database Architect, Rumah IT Hub ..... Feb 2025 — Apr 2025  
Keretek, Bantul, DIY

#### *Rumah IT hub App / Learning Management System*

I designed, developed, and deployed a full-stack e-learning and digital marketplace platform from end-to-end. This project encompassed complex user authentication, dynamic content delivery, a sophisticated e-commerce engine, and a dedicated mentor payout system.

1. Backend & Database Architecture
  - Database Design (ERD): Architected the Relational Database (ERD) to support a multi-product ecosystem (Classes, Webinars, Events), user subscriptions, and a hierarchical content catalog.
  - Financial Systems: Developed a robust E-commerce module managing Orders, Subscriptions, and Promo Codes, ensuring data integrity for all transactions and payment statuses.
  - Mentor Remuneration Module: Designed the payout system to track Commission Earnings, Mentor Wallets, and structured Withdrawals with status monitoring.

- 2. Front-End Development (FE)
- Responsive UI: Developed a highly responsive and intuitive User Interface (UI) for the marketplace, ensuring a seamless cross-device experience (mobile, tablet, desktop).
- Dynamic Features: Integrated complex front-end features, including dynamic course progress visualization (Enrollments) and a Gamification system (Points/Badges).
- E-commerce Flow: Built the complete e-commerce user flow, from product selection through a multi-step checkout process, integrating with defined payment gateway endpoints.

❖ Full-Stack Engineer & Database Architect, PT. ExSEA SUKSES ABADI ..... Nov 2024 — Dec 2024  
WFA

### ***Web Logistics & Shipment***

Led the end-to-end development (Full-Stack) of a complex logistics management and shipment tracking platform, focusing on robust authentication, granular FCL/LCL cargo monitoring, and enterprise-grade data import/export functionality.

Key Features:

- System Architecture & Backend (BE): Designed the Database Schema (ERD) to support complex logistics relationships (Shipments, FCL/LCL segregation, Company/User linkage). Developed complete backend logic and APIs with Role-Based Access Control (RBAC) implementation to manage Users, Drivers (with location tracking), and Companies.
- Core Logistics Module: Implemented comprehensive cargo movement tracking for both FCL (Full Container Load) and LCL (Less than Container Load). FCL tracking features include vessel milestones (ETD/ETA) and container/seal details, while LCL tracking focuses on multi-stage movements, truck details, and warehouse timestamps. Operational efficiency was also improved with modules for Asynchronous Data Import/Export and error logging.
- Front-End & User Experience (FE): Built the entire responsive and intuitive front-end interface for management and tracking. Integrated features for complex data visualization (such as tracking timelines and driver status) and managed the document flow by implementing features for uploading and displaying shipment-specific Attachments.

❖ Mobile developer, Pondok IT Indonesia ..... Jul 2024 — Aug 2024  
Kretek, Bantul, DIY

### ***Mobile E-Wallet***

This Digital Banking/E-Wallet mobile application is developed using Flutter with an advanced BLoC-based architecture, guaranteeing high scalability, maintainability, and testability. It is centered on core financial functionality and robust security.

Key Features:

- Advanced Architecture: Implements the BLoC pattern for clean separation of business logic from the UI. Features a dedicated *Service Layer* for secure token-based API interaction and a comprehensive *routing system* covering over 15 key user journeys.
- Security & User Management: Deploys secure Token-Based Authentication and uses *secure local storage* for sensitive data (tokens, email, transaction PINs). Developed complete Auth flows (Sign Up, Sign In, Logout), including KYC readiness (profile picture/KTP fields), profile updates, and secure Wallet PIN change logic.
- Core Financial Transactions:
- P2P Transfer: Secure inter-user transfer service, including logic for Recent Users and searching by *username*, all secured by a transaction PIN.
- Top-Up: Integration of a third-party *payment gateway* that correctly processes the transaction and returns a *redirect\_url*.
- PPOB & Bill Payments: Implemented services to fetch lists of Telecom Providers and their related Data Plan products for bill payment transactions.

❖ Fullstack Engineer & API Architect, Pondok IT Indonesia ..... Jun 2024 — Jul 2024  
Kretek, Bantul, DIY

### ***Islamic Services & Al-Qur'an Data API***

Developed a robust, service-oriented API providing reliable access to core Islamic data, including comprehensive Quranic resources and accurate, location-based prayer time schedules, designed for integration into third-party mobile and web

applications.

Key Features:

- Comprehensive Quranic Data API: Engineered versatile endpoints to access the Quran by Surat Number, Page Number, Ayat Index, and specific Ayat Ranges.
- Unique Discovery Tools: Implemented specialized features allowing users to retrieve verses based on Thematic Indexing (Kisah) and a Random Ayat Generator configurable by single or multiple Juz ranges.
- Regional Prayer Time Service: Integrated an external service to fetch accurate, location-based Daily Prayer Schedules, demonstrating proficiency in external API consumption and geographical data mapping.
- High Usability & Stability: Designed a Clean and Semantic API structure to ensure high reliability and straightforward consumption by front-end developers.
- Modular Architecture: Established a Service-Oriented Backend framework to ensure the API is modular, scalable, and easy to maintain for future feature expansion.

❖ Team Lead, ID Photo Book DIY ----- May 2024 — Sep 2024  
Sewon, Bantul, DIY

**Lead Team Developer, ID PhotoBook**

Led the development of the company's core e-commerce platform and supervised the integration between digital ordering and physical production for high-volume photo products in Southeast Asia.

Key Contributions (Big Picture)

- Technical Leadership: Managed the full-stack development team (FE/BE) responsible for building and scaling the high-traffic photo customization and ordering system.
- Production Integration: Designed the digital-to-physical workflow, ensuring seamless and rapid transfer of customer-designed files to the printing factory floor to meet tight production deadlines.
- Admin System Flow Architect: Designed the internal Admin Dashboard workflow to handle, validate, queue, and track every customer order from submission to final delivery, minimizing manual errors and maximizing fulfillment speed.
- Core Product Development: Directed the creation of the user-facing online Photo Editor/Design Studio, enabling mass customization of products like Photo Books and Photo Tiles.

❖ Android e Developer, Pondok IT Indonesia ----- May 2023 — Jun 2023  
Kretek, Bantul, DIY

**EL Note (React Native App)**

Developed an end-to-end mobile application called EL Note using React Native and TypeScript, designed for secure user note management, profile handling, and real-time authentication. The solution features robust registration and login modules with email and password validation, supporting the security of user accounts and data.

Key Features:

- Built a dynamic authentication flow (register and login) that validates user inputs strictly for email and password standards.
- Created a customizable profile system allowing users to upload a profile photo, manage followers, and view statistics and user activities in a visually engaging drawer menu.
- Engineered a modular note management system enabling users to add, edit, and store notes, with a modal interface supporting multi-line input for comprehensive data entry.
- Integrated navigation with React Navigation, providing seamless transitions between home, detail, and profile screens.
- Implemented local storage for persistent user and note data using AsyncStorage, and added external API connectivity for authentication and data retrieval.
- Developed visually appealing UI/UX with LinearGradient themes, modern icon packs (MaterialCommunityIcons, Ionicons, AntDesign), and responsive layouts for cross-device compatibility.

### EL Store Mobile App

Designed and implemented a mobile e-commerce application called EL Store using React Native, focusing on seamless navigation, authentication, and user-friendly interfaces.

Key Features:

- Built a robust authentication flow with a modern login screen, including username and password validation, and social login options (Google, Facebook, Apple).
- Developed a tab-based navigation architecture with a custom BottomTabNavigator, allowing users to switch efficiently between product Home, Favorites, and Checkout screens.
- Crafted a dynamic Home page displaying a list of products, recommended products, search functionality, and product categories, utilizing React Native’s ScrollView and custom components for efficient rendering.
- Added splash screen and transition logic for delivering a premium first impression and smooth routing to the login page.
- Ensured a consistent and attractive UI using custom fonts, icon packs (MaterialCommunityIcons), and gradient buttons across all core screens.

### Flutter (POS) Application

Developed a cross-platform Digital Cashier (Point of Sale/POS) application using Flutter for robust management of transactions, product inventory, and F&B business operations. The project implemented an advanced architecture with critical data synchronization capabilities to ensure continuous business operations across both offline and online environments.

Key Features:

- Architecture & Data Integrity:
  - Utilized the BLoC (Business Logic Component) architecture for isolated, testable, and scalable state management.
  - Engineered a crucial Data Synchronization mechanism for real-time data exchange between local storage and a remote server, ensuring business continuity even when offline.
- Transaction System & Payment Integration:
  - Developed a flexible checkout module supporting various methods, including Cash and Digital Payments (QRIS).
  - Successfully integrated a Payment Gateway, demonstrating expertise in securely utilizing the Midtrans Server Key for digital transactions.
  - Established a comprehensive order flow, including detailed transaction history for management reporting.
- Operational Management & Hardware:
  - Created extensive internal Product Management features (CRUD operations and categorization: Food, Drink, Snack).
  - Implemented Printer Management functionality with direct integration of Bluetooth Thermal Printers to issue real-time order receipts, significantly streamlining on-site order fulfillment.

### Panther Mania Mobile App (Flutter)

Developed a cross-platform mobile application named Panther Mania using Flutter and the GetX framework for state management and routing. This project delivered a seamless, feature-rich user experience focused on authentication and content navigation.

Key Features:

- Comprehensive Authentication System: Implemented a complete user authentication flow (*Login, Registration, Password Reset, Multi-option Login*) with smooth transitions.
- Efficient User Onboarding: Designed a Splash Screen with conditional navigation logic to route users correctly based on their authentication status.
- Modular & Responsive UI/UX: Created a modular Home Screen featuring search functionality, customizable widgets, and a dedicated Profile View for seamless account management.
- Scalable Code Architecture: Utilized the GetX package to establish clean, maintainable, and scalable routing and state management, ensuring precise screen mapping.
- Engaging Visual Design: Ensured an attractive and responsive UI using Flutter's Material components and integrated Lottie animations for an enhanced login experience.

EDUCATION

- ❖ Jago Flutter

2023 — 2023

Sleman

Mobile Fullstack Developer : Flutter & Laravel,

Completed the Fullstack Mobile Developer Bootcamp at JagoFlutter, specializing in Flutter and Laravel. Gained comprehensive practical experience building end-to-end mobile applications for e-commerce, HR management, POS, and delivery tracking. Mastered Flutter front-end development with advanced state management and device integration, and Laravel back-end engineering for secure APIs, payment gateway integration, and robust database schema design. Collaborated in team projects, applied real-world agile practices, and deployed solutions to production environments, ensuring readiness for modern industry demands in mobile and web application development.
- ❖ Pondok IT Indonesia

2022 — 2025

Yogyakarta

Programmer + Tahfidz + Entrepreneur,

Actively participated in the Mentorship Program for Programmer Class students, focusing on enhancing professional competence through intensive guidance from industry practitioners.
- ❖ Baitul Qur'an Daarut Tauhid Jakarta

2019 — 2022

Jakarta

Tahfidzul Qur'an,

Baitul Qur'an Daarut Tauhid Jakarta is a Boarding School non-formal educational institution that integrates Islamic Education.

SKILLS

- Database Management

❖❖❖❖❖
- API Management

❖❖❖❖❖
- Web Development

❖❖❖❖❖
- Mobile Development

❖❖❖❖❖
- Project Management

❖❖❖❖❖
- Team collaboration eagerness

❖❖❖❖❖
- Dedication

❖❖❖❖❖
- Self Leadership

❖❖❖❖❖
- Resilience

❖❖❖❖❖
- Communication Skills

❖❖❖❖❖