

Latif Usmul Fauzi

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PROFILE

Software Engineer with experience in building full-stack mobile and web applications, including government and SME digital systems. Strong background in mobile architecture (MVVM, BLoC), REST API development, and role-based system design.

EDUCATION

Universitas Muhammadiyah Yogyakarta – Yogyakarta, Indonesia September 2022 – April 2026
Bachelor Degree in Information Technology, 3.91/4.00

CERTIFICATIONS

BNSP – Junior Mobile Programmer (2026)
National Professional Certification Agency (Indonesia)

IT Specialist – Artificial Intelligence (2026)
Pearson (United Kingdom)

WORK EXPERIENCE

Assistant Lecturer (Part-Time) February 2024 – June 2026
Muhammadiyah University of Yogyakarta, Indonesia

Assisted in delivering and mentoring students across 9 technical courses, including Algorithms & Data Structures, Web Development, Cyber Security, IoT Programming, Software Deployment, and Software Testing & Quality Assurance.

- Mentored 40–50 students per class in practical programming, system implementation, and software testing practices including test case design and validation.
- Guided hands-on sessions in C++, web development, Linux server configuration, and deployment practices.
- Evaluated student projects based on system accuracy, reliability, and functional requirements.
- Evaluated assignments, lab reports, and technical projects with structured feedback on performance and optimization.
- Supported students in debugging, database management, and secure deployment workflows.
- Managed attendance, grading systems, and academic documentation.

Frontend Developer Intern May 2025 – September 2025
Dinas Komunikasi Informatika dan Persandian Kota Yogyakarta, Indonesia

- Developed a role-based web interface for a government bug reporting system using React.js (TypeScript) and Tailwind CSS.
- Implemented JWT authentication and role-based access control to ensure data security and system integrity.
- Integrated frontend with RESTful APIs using Axios for bug submission, validation workflow, and status tracking.
- Implemented file upload integration with Supabase Storage and email reset password flow.
- Collaborated with backend team in Agile development cycle using Git branching strategy.

PROJECT EXPERIENCE

Integrated Cafe Management System – Full-Stack Web & Mobile

November 2025 – February 2026

Tech Stack: Kotlin, Jetpack Compose, React.js, TypeScript, Node.js, Express.js, MySQL, REST API

- Developed a full-stack cafe management system with mobile POS and web dashboard using client–server architecture.
- Built Android POS application using Kotlin & Jetpack Compose with sales transaction, cashier shift, and voucher features.
- Implemented manager dashboard using React.js & TypeScript for product, inventory, supplier, purchase, and report management.
- Designed RESTful backend API using Node.js & Express.js for authentication, transaction processing, and stock management.
- Designed relational database in MySQL with normalized schema for POS, inventory, supplier, and shift management.
- Implemented automatic stock deduction and stock history logging to maintain transaction traceability.
- Applied role-based access control to restrict unauthorized access between manager and cashier roles.
- Implemented validation logic to minimize transaction errors and ensure data accuracy.
- Ensured data consistency and integrity across transaction and inventory workflows.
- Conducted functional testing (black-box) to validate system behavior before deployment.
- Deployed backend and web dashboard to cloud server for online access.

KasApp Android Sales Transaction Recording System – Mobile Application

October 2025 – January 2026

Tech Stack: Kotlin, MVVM, Google Sign-In, Google Drive API, SQLite, Apache POI / CSV

- Developed a production-ready Android POS application for a real UMKM client (Warmino Raja Vitamin 3) to digitize manual transaction recording.
- Implemented MVVM architecture with clear separation between View, ViewModel, Repository, and local database layer.
- Built full transaction workflow including cash & QRIS payment recording, automatic total calculation, and transaction history filtering.
- Designed dynamic sales reporting system (daily, monthly, yearly) with export to PDF and CSV formats.
- Integrated Google Authentication and Google Drive API for secure cloud backup and restore functionality.
- Implemented local database persistence and transaction validation to minimize human error in manual bookkeeping.
- Conducted Functional Testing (Black-box) and User Acceptance Testing (UAT) with real business owner to verify system reliability

NEMU Lost & Found Community App – Mobile Application

May 2025 – July 2025

Tech Stack: Flutter, Dart, BLoC, Node.js, Express.js, MySQL, REST API, SQLite, GPS, Camera

- Developed a full-stack cross-platform mobile application (Android & iOS) with a custom backend built using Node.js & Express.js.
- Designed and implemented RESTful APIs for authentication, report management, claim verification, and role-based access control.
- Built structured MySQL database schema to handle user roles, item reports, claim validation, and status tracking.
- Implemented BLoC architecture for scalable state management and clean UI–business logic separation.
- Developed automated claim verification workflow to ensure rightful ownership before contact exchange.
- Integrated device services (Camera & GPS) and synchronized data with backend server.

- Implemented local draft persistence using SQLite and real-time server synchronization.
- Designed filtering, search, notification handling, and WhatsApp deep-link feature to enable direct communication after claim verification.

Project Management App – Mobile Application

January 2025

Tech Stack : Kotlin, MVVM, Node.js, Express.js, MySQL, phpMyAdmin, Jetpack Compose

- Developed a mobile application for managing projects, tasks, teams, and team members.
- Implemented a structured project management workflow, including creating, editing, and tracking projects and tasks.
- Built team management features to create, assign, and manage team members within projects.
- Designed an interactive task management system, allowing users to assign tasks, set priorities, and track progress.
- Developed RESTful APIs using Node.js & Express.js for seamless backend integration and database management.
- Optimized the UI/UX for a smooth and intuitive user experience in managing tasks and team collaborations.

SKILLS

Languages: Kotlin, Dart, TypeScript, JavaScript, C++

Frontend: React.js, Tailwind CSS, Jetpack Compose, Flutter

Backend: Node.js, Express.js

Database: MySQL, SQLite

Architecture: MVVM, BLoC

Tools: Git, Android Studio, VS Code, Katalon Studio