

Dzakwan Fadhlullah

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SUMMARY

Final-year Computer Science student at Universitas Padjadjaran specializing in Front-End and Mobile Development with a strong foundation in UI/UX Design. Proficient in JavaScript, TypeScript, Flutter, and Kotlin, I leverage modern frameworks like React, Next.js, and Tailwind CSS to craft intuitive, high-performance digital products. My technical expertise extends to mobile solutions using React Native, bridging the gap between design and engineering. With strong leadership experience in large-scale student initiatives and partnerships, I'm excited to craft seamless user experiences.

WORK EXPERIENCES

PT Bukit Asam Tbk

Software Developer Internship

January 2026 - February 2026

- Developed a real-time KPI dashboard using Next.js and FastAPI with smart Excel ingestion featuring auto header detection, multi-sheet parsing, and data validation for train unloading operations monitoring.
- Built bottleneck heatmap analysis (Process × Hour), DEV calculation engine, and KA leaderboard with 15+ aggregated metrics (daily/monthly trends) to identify operational delays and generate recommendations.
- Implemented JWT auth, RBAC, 100+ tests (pytest/Jest), Alembic migrations, Celery async jobs, structured logging, and security middleware (CORS, Sentry) for production-ready infrastructure.

Yayasan Maqdis

UI/UX Designer Internship

October 2025 - January 2026

- Designed 20+ high-fidelity wireframes and interactive prototypes in Figma for web and mobile platforms, ensuring accessibility and seamless user journeys for Al-Qur'an literacy education.
- Developed and maintained a centralized design system with 50+ reusable components, improving consistency and accelerating developer handoff by 30%.
- Conducted usability testing with 5+ participants to refine UI solutions (boosting satisfaction/engagement by 15%), and collaborated with a cross-functional hybrid team to launch user-centric interfaces aligned with technical constraints and user needs.

PROJECT EXPERIENCES

LiftNode – Personal Workout App

Mobile App Developer & UI/UX Designer

December 2025 - Present

- Built an offline-first fitness app with Flutter and Dart using shared_preferences for a local, privacy-focused, zero-latency experience.
- Designed and implemented a Bento-grid dashboard and workout logger from self-made Figma prototypes, including real-time charts with fl_chart.
- Managed app-wide state with Provider for 100+ exercises across 20 muscle groups, and built a responsive promotional landing page from UI slicing to implementation.

LuminaCal – AI Calorie Tracker

Android Developer & UI/UX Designer

December 2025 - Present

- Built a privacy-centric offline-first Android calorie tracker using Kotlin, Jetpack Compose, and Room Database with secure local storage and an 80+ Indonesian food database.
- Integrated CameraX with ML Kit Object Detection to enable real-time AI food recognition

optimized for local dishes (e.g., Nasi Goreng, Rendang).

- Designed and implemented a premium Glassmorphism UI with Canvas-based Activity Rings animations for a smooth 60fps tracking experience, while leading the full lifecycle from Figma prototyping to manual testing and building a responsive landing page for distribution/marketing.

Kelas Kampus – Integrated SNBT Preparation Platform

Front-End Developer & UI/UX Designer

September 2025 - December 2025

- Designed the end-to-end UI in Figma, producing low-fidelity wireframes and high-fidelity prototypes for 20+ responsive screens, including CBT simulation, analytics, and performance tracking flows.
- Implemented the user dashboard and landing page using Next.js and Tailwind CSS, translating design assets into responsive, functional web pages with intuitive layouts for performance analysis and progress history.
- Collaborated with the backend team to ensure accurate data integration via Supabase, while managing version control and deployment workflow using Git & GitHub.

LEADERSHIP EXPERIENCES

BEM Kema FMIPA Unpad

Head of Internal Relations (previously Staff of Internal Relation)

February 2024 - February 2025

- Led the planning and execution of 4 programs (Capacity Building, SAFARI MIPA, MIPA Graduation and Appreciation, MIPA Awards), successfully engaging 200+ participants and strengthening synergy among student organizations through structured evaluation.
- Managed strategic coordination with 15+ student institutions and aligned communication strategies with the Information Division to streamline collaboration and program execution.
- Designed internal platforms and appreciation initiatives to support organizational culture, which improved member engagement and boosted overall morale within the faculty.

DPA Himatif FMIPA Unpad

Head of Commission IV (previously Staff of Commission IV)

February 2024 - February 2025

- Established comprehensive evaluation standards to assess the performance of the Executive Board (BE), fostering organizational transparency and accountability.
- Directed Commission IV (Legislative Oversight) in internalizing organizational policies for DPA members, ensuring consistent understanding and execution of legislative functions.
- Monitored operational timelines and quality standards across commissions to ensure all legislative deliverables were aligned with agreed objectives.

AWARDS & HONOURS

UBB National Trading Competition 3.0 – Universitas Bangka Belitung

1st Place

July 2023

- Secured 1st place in a National-level trading competition by demonstrating superior technical analysis and strategic trade execution, outperforming participants from various universities.

ADDITIONAL

Languages: Indonesian (Native Proficiency); English (Working Proficiency)

Technical Skills:

- Programming Languages: Python, C++, JavaScript, Kotlin, Dart, TypeScript.
- Frameworks & Libraries: Flutter, Jetpack Compose, Next.js, React.js, Tailwind CSS, ML Kit.
- Tools & Platforms: Git, GitHub, Supabase, MYSQL, VSCode, Android Studio.
- Design & Creative: Figma (UI/UX Design, Prototyping, Wireframing).