

# 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

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### 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

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### 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

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**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).