

Misbachul Munir Al Haddad Alwi

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SUMMARY

Results-driven Software Engineer experienced in architecting and deploying full-stack web and mobile applications (TypeScript, Next.js, Laravel, Flutter) for active production users. Proven technical leader who has mentored 60+ students and managed a Rp 3.4 billion budget while guiding a 36-person international program across 20 countries.

EDUCATION

- Politeknik IDN Bogor** Bogor, Indonesia
Bachelor of Applied Science in Software Engineering; Current GPA: 3.72 Aug 2023 – Expected May 2027

TECHNICAL SKILLS

- Programming:** TypeScript, JavaScript, Python, PHP, Dart **Web & Mobile:** Next.js, React.js, Laravel, Flutter
- Databases & Cloud:** PostgreSQL, SQL, Firebase, Supabase, GCP **DevOps & CI/CD:** Git, GitHub Actions, GitLab CI, Vercel
- Testing & Tools:** Automated Testing (Jest, PHPUnit), Figma **Languages:** Indonesian (Native), English (Proficient)

PROFESSIONAL EXPERIENCE

- IDN Boarding School** Bogor, Indonesia
Software Development Teacher, Treasurer & Guide Jul 2024 – Present
 - Designed and delivered a rigorous 2-year full-stack curriculum to 20+ students, covering modern web and cross-platform mobile (Flutter).
 - Spearheaded financial operations and logistics for a 36-person educational program across 20 countries, managing a Rp 3.4B budget.

VOLUNTEER EXPERIENCE

- Google Developer Student Clubs (GDSC) Widyatama** Bandung, Indonesia
Study Jam 7.0 Mobile Development Speaker Mar 2024
 - Delivered a hands-on mobile dev workshop (Flutter, BLoC, API integration) to 10+ aspiring developers.
- Student Executive Board (BEM), Politeknik IDN Bogor** Bogor, Indonesia
Technical Trainer & Bootcamp Instructor Dec 2023 – Mar 2024
 - Guided 3 beginners in a 2-day online workshop to successfully build and deploy a responsive Flutter food menu app.
 - Led a 5-day bootcamp where 4 participants built and launched individual personal portfolio websites using React.
- SMKN 1 Cibinong** Bogor, Indonesia
Full-Stack Web Development Mentor Nov 2023
 - Mentored 25+ high school students, resulting in successful PHP/MySQL CRUD applications and deployed static sites.

PROJECTS

- DigiKelas** Next.js, TypeScript, Tailwind, Supabase
Interactive digital learning platform with e-modules and gamification.
 - Architected a gamified B2B digital learning platform with interactive modules and live leaderboards using Next.js and Supabase.
 - Designed a secure, child-friendly PIN authentication system with strict time management and anti-cheat mechanisms.
- InOut** Flutter, Supabase, PostgreSQL
Android app for managing device inventory and check-out tracking.
 - Implemented QR-based workflows to streamline device inventory management, tracking 60 devices per organization.
 - Engineered strict multi-tenant data isolation using indexed PostgreSQL queries and Supabase Row-Level Security.
- GasNugas** Next.js, TypeScript, Supabase, Cloudflare R2
Role-based academic management system with assignment workflows.
 - Engineered a role-based academic management platform (Next.js) automating submission workflows for 180+ targets.
 - Optimized file delivery performance by integrating Cloudflare R2 for highly efficient edge storage and content distribution.
- Hadirin** Flutter, Firebase, ML Kit, Cloudinary
Mobile attendance app utilizing on-device face recognition and geo-fencing.
 - Implemented blazing-fast on-device face recognition (MobileFaceNet) achieving 250ms comparisons on mid-range Androids.
 - Engineered geo-fenced check-ins with <50ms validation latency, delivering a seamless end-to-end attendance flow in 2.5s.