BONIFASIUS TARIGAN

SOFTWARE ENGINEER

Greater Jakarta, Indonesia | bonifasiusdev@gmail.com
linkedin.com/in/bonifasiustrg | github.com/bonifasiustrg

Software Engineer with enterprise mobile banking experience across requirements, API and SDK integration, legacy modernization, testing, and production delivery. Coordinates technical work across mobile, backend, QA, product, and external engineering teams. Additional experience includes Laravel applications, Python and TypeScript agent-workflow integration, and financial data validation.

Professional Experience

CIMB Niaga | Information Technology Developer, Android Engineering

Greater Jakarta | July 2025 – Present

- Deliver Android features for OCTO Mobile, including customer onboarding, lifestyle-benefit reservations, eligibility and quota handling, and booking history.
- Serve as the Android technical point of contact for a delivery stream: review code, guide two vendor developers, coordinate blockers, and support UAT, release preparation, and critical-defect resolution.
- Align application flows, acceptance criteria, REST API contracts, and edge cases with product, design, backend, iOS, and QA colleagues.
- Integrated a third-party mini-app SDK with mobile security controls. Investigated Android and Huawei compatibility and escalated a non-GMS deep-link limitation to inform scope and testing decisions.
- Modernized selected Java/XML and VIPER-based flows using Kotlin, Jetpack Compose, and MVI; introduced immutable state and unidirectional data flow and wrote onboarding unit tests.
- Support Gradle builds, APK/AAB preparation, Play Console and Huawei delivery, security hardening, and Firebase/Crashlytics monitoring.

RC HUMIC, Telkom University | Mobile App Developer

Bandung | Aug 2024 – Jan 2025; research team Aug – Dec 2023

MyoScope Alert source

- Developed MyoScope Alert for heartbeat recording and visualization with a Bluetooth Classic IoT stethoscope; implemented binary-to-WAV processing and integrated REST-based inference.
- Supported the transition to on-device TensorFlow Lite, adapted the app to revised backend APIs, and improved Bluetooth communication through iterative testing.
- Collaborated with a seven-member mobile, backend, IoT, and AI team and supported clinical validation at Hasan Sadikin Hospital. The project received an APICTA 2023 Merit award.

Telkom University and Lingian Hotel | Web Developer Research Assistant

Bandung | Oct - Nov 2023

- Helped rebuild a hotel front-office reservation system using Laravel/PHP, translating reservation workflows into server-side and database-backed functionality.

PT Bangun Digital Indonesia | Android Developer Intern

Bandung | May – July 2023

- Built restaurant point-of-sale functionality for transactions, branches, and employees; collaborated with UI/UX and backend teammates on API integration and delivery reviews.

Selected Projects

Octomation

Backend and AI Runtime Contributor | Team hackathon/demo | 2026

- Contributed to a visual AI-workflow platform across a Python/Google ADK runtime and TypeScript backend during a one-month CIMB Hackfest project.
- Implemented workflow cancellation and contributed improvements to graph execution, version snapshots, human-approval resumption, state handling, and error propagation.

E-Statement Normalizer

Independent Python project | In development | 2026 – Present

- Implemented canonical financial data models, exact-decimal handling, provenance, stable identifiers, JSON Schema, and typed validation. Synthetic verification covered 30 unit/contract tests and 1,000 deterministic Decimal round trips; real-document ingestion remains in development.

Kesain AI OS

Independent personal project | 2026 – Present

- Designed and operate an Obsidian-centered knowledge system across local and remote agent runtimes. Configured self-hosted agent sessions on Linux/VPS infrastructure with documented context, privacy, and recovery boundaries.

MedCall

Laravel backend project | 2024

- Developed server-side functionality for healthcare queueing and doctor-appointment reservation workflows.

Technical Skills

Languages: Kotlin, Java, Python, TypeScript, PHP, SQL

Software: REST APIs, SDK integration, Laravel, PostgreSQL, MySQL, JSON Schema, validation and error handling

Architecture and delivery: MVI/MVVM, requirements refinement, API contracts, unit testing, code review, CI/CD, UAT, production support

Tools: Jetpack Compose, Gradle, Git, Firebase/Crashlytics, Linux, Docker, Postman

Education

Telkom University | Bachelor of Science in Informatics

September 2021 – May 2025 | GPA 3.89/4.00

Recognition and Additional Experience

Top #1 Performance CIPTA Developer CIMB Batch 5 (2026); Top 10 Hackfest CIMB 2026; APICTA Hong Kong 2023 2nd Place (Merit Winner), Student Tertiary category; Top 200 EricssonEdge Academia (2024); Bank Indonesia Scholarship Awardee (2023).

Certifications: BNSP Junior Web Developer (2023); BNSP Junior Mobile Programmer (2022).

Telkom University Dormitory Senior Resident (Aug 2023 – July 2024): supported communications, logistics, and onboarding for more than 200 residents.

Languages: Indonesian (native); English (professional working proficiency).