Fajrian Aidil Pratama

Senior Flutter Engineer

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Senior Flutter Engineer with 5+ years building and scaling consumer mobile apps in fintech and healthcare. Specialized in app performance (ANR, app size, cold launch), Android/iOS integration, CI/CD and Melos monorepo tooling, with measured results: production ANR cut from 0.8% to about 0.2%, app size reduced from 80 MB to 50 MB, and CI pipeline time down ~20%. Open-source maintainer and author of Flutter architecture and tooling articles.

WORK EXPERIENCE

GoTo Indonesia, Senior Software Engineer (L3)

Feb 2025 – Present

Full time · Jakarta, Indonesia · app

- Built internal Android reliability tooling for a Flutter app, reducing production ANR rate from 0.8% to 0.17% at best and stabilizing it at 0.23% by surfacing memory leaks and StrictMode violations before release.
- Reduced release app size by almost 3 MB through R8/ProGuard keep-rule optimization, including an upstream fix to the Courier SDK that removed a blanket `-keep class androidx.**` consumer rule (androidx classes kept in a production-size app dropped from 7,797 to 4,339).
- Improved cold launch time by tracing each startup phase with Perfetto, identifying the slowest steps, and optimizing them one by one.
- Created an internal app-size analysis platform using scenario-based JSON snapshots and a Vue.js viewer to identify size contributors by module and team, enabling DFM extraction and reducing app size to 34 MB on Android and 90 MB on iOS.
- Cut GitLab CI/CD pipeline duration by ~20% in a Melos-managed Flutter monorepo by parallelizing jobs, removing redundant steps, and tuning cache behavior.

Reku, Senior Flutter Engineer

Nov 2023 – Feb 2025

Full time · Jakarta, Indonesia · app

- Led a full Flutter app rewrite using modular clean architecture and Melos, enabling parallel development across teams and improving codebase structure for ongoing feature work.
- Reduced application size from 80 MB to 50 MB by removing unused assets, refactoring build configuration, and enforcing size discipline across the Flutter app.
- Mentored junior and mid-level Flutter engineers through reviews and architecture sessions, accelerating onboarding and improving code quality across the team.

Stockbit / Bibit.id, Senior Flutter Engineer

Nov 2022 – Nov 2023

Full time · Jakarta, Indonesia · app

- Owned Flutter feature development across onboarding, profile, and investment discovery flows in a high-traffic fintech app, with emphasis on reliability and maintainability.
- Improved the KYC flow by integrating OCR and implementing caching to increase submission success rates under unstable network conditions.

Caretaker.id, Flutter Developer

Sep 2022 – Nov 2022

Freelance · Jakarta, Indonesia · app

- Built a Flutter-based appointment and teleconsultation app and contributed to a reported 60% sales increase by improving booking and consultation flows.

Detexi.id, Flutter Developer

Jul 2022 – Sep 2022

Freelance · Palu, Indonesia · app

- Built a Flutter app for healthcare partners to manage daily operational workflows, improving reliability and usability for medical staff.

Sikerja.id, Flutter Developer

Apr 2022 – Jul 2022

Freelance · Palu, Indonesia · app

- Built and launched a regional job platform serving thousands of users across Sulawesi.

UPSTREAM OPEN SOURCE

gojek/courier-flutter (https://github.com/gojek/courier-flutter/pull/31): Courier SDK update that cut kept androidx classes from 7,797 to 4,339 and fixed a post-login NoSuchMethodError crash.

Baseflow/flutter-permission-handler (https://github.com/Baseflow/flutter-permission-handler/pull/1566): Fixed a double completionHandler call behind a top production crash on iOS.

flutter_file_picker (https://github.com/vicajilau/flutter_file_picker/pull/2105): Removed the ~300 KB Apache Tika dependency from the Android implementation.

petercinibulk/envied (https://github.com/petercinibulk/envied/pull/42): Merged: automatic CONSTANT_CASE conversion for environment variable names (docs in PR 74).

drogel/keyboard_attachable (https://github.com/drogel/keyboard_attachable/pull/35): Open PR: fixes the footer not attaching to the keyboard on some devices (merged earlier: PR 31, Gradle and manifest compatibility).

dio (https://github.com/cfug/dio/pull/2611): Open PR: guard against duplicate handler completion.

PROJECT

Archipelago (Flutter monorepo starter kit) (https://archipelago.banuacoder.com/): Licensed Flutter monorepo starter kit built by Banua Coder: modular architecture, CLI scaffolding, and Mason bricks that generate production-ready apps.

EDUCATION

B.Sc. in Applied Statistics & Computational Statistics, Politeknik Statistika STIS, Jakarta

2017 – 2021

Focus: Computational Statistics (Information System)

SKILLS

Languages

Dart, Swift, Kotlin, TypeScript, JavaScript, Java, Go, PHP

Frameworks & platforms

Flutter, Android, iOS, Vue.js, Node.js

Tools & infrastructure

GitLab CI/CD, GitHub Actions, Bitrise, CodeMagic, Mason, Melos, Firebase, MySQL, PostgreSQL, Git, Perfetto, R8/ProGuard

Other

Data structures and algorithms, technical writing, open-source maintenance

Spoken languages

English (B2 CEFR), Indonesian (native / bilingual proficiency)