

Khoirul Anam

Mobile Developer for Android and iOS | Flutter, Kotlin, Web Frontend

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SUMMARY

Computer Science graduate from Universitas Gadjah Mada (GPA 3.98/4.00) who builds mobile apps for Android and iOS with Flutter and Kotlin, and web frontends for internal systems. Currently a software developer in the Digitalization Unit of PT Petrokimia Gresik after a one-year IT internship there, releasing apps on Google Play and the App Store. Trained through Bangkit Academy 2024 in mobile development and the Pijak AI Engineer track with IBM SkillsBuild.

EDUCATION

Universitas Gadjah Mada

Bachelor of Computer Science (S.Kom.), Yogyakarta

Aug 2022 - Oct 2026

- **GPA 3.98/4.00, Cum Laude**

- Thesis (grade A): Comparison of MobileNetV2 and a Generative AI Model Based on Selective Few-Shot Learning for Waste Classification in a Mobile Application.

SMA Negeri 1 Sukodadi

Mathematics and Natural Sciences, Lamongan

Jul 2019 - Jun 2022

- Average grade 92.25/100. Best graduate of the science track. Vice chair of the science club (KIR) and chair of the Research and Journalist Camp 2021 committee.
- Informatics National Science Olympiad (KSN-K), Lamongan Regency: first place in 2021 and second place in 2020. National finalist of FIKSI 2021 and BIONIX Student Level 2021 (ITS).

EXPERIENCE

Software Developer

PT Petrokimia Gresik, Digitalization Unit, IT Department, Gresik

Aug 2026 - Present

- Continue development of AgrooFertile, the agronomy services app first built during the internship ([Google Play](#), [App Store](#)).
- Develop DILOC (Digital Logsheets & Checklist), a Flutter app for Android and iOS phones and tablets with a web version ([Google Play](#), [App Store](#)).
- Rebuild the web frontend of Digilabs, the laboratory service platform for sample requests, quality inspection, and daily and monthly reports.
- Handle app releases and manage the company's Google Play Console and App Store Connect.

Information Technology Intern

PT Petrokimia Gresik, Magenta Talent Internship, IT Department, Gresik

Aug 2025 - Jul 2026

- Built AgrooFertile, a Flutter app for Android and iOS that brings agronomy services online for farmers, field agronomists, drone pilots, and internal teams.
- Built the drone spraying flow, from booking and map-based field selection to approval, scheduling, and live status.
- Added leaf disease detection from photos with matching product recommendations, plus a soil fertility map by sub-district.
- Worked in six Scrum sprints with backend engineers and stakeholders. Completed with grade A (94.6/100).
- Supported IT Department events: Proliga 2026 ticketing in Gresik, the IT Agent event in Surabaya, and DILOC end user testing in Malang.

AI Engineer Cohort

Pijak in collaboration with IBM SkillsBuild, remote

Feb 2026 - Jul 2026

- Completed a 924-hour AI engineering track with an 88.31/100 average (A) and full attendance.
- Capstone (score 94): KopKen Analytics Dashboard, an aspect-based sentiment analysis of Kopi Kenangan app and store reviews ([live dashboard](#)).

Digital Product Developer

Feb 2025 - Jun 2025

Kaizen Room, Jakarta, remote

- Developed 14 digital learning products with two mentors: 2 eBooks and 12 interactive modules.
- Delivered 2 partnership pitches to ASEAN Digital Academy, from proposal to presentation.
- Contributed content and UI/UX design for digital education platforms.

Mobile Development Cohort

Sep 2024 - Jan 2025

Bangkit Academy by Google, GoTo, and Traveloka, remote

- Built five Android apps in Kotlin, four of which received a 5-star rating.
- Graduated with distinction in the top 10% and won Best Capstone Project in the Kaizen Room company track for Kaizen Speaking, an AI public speaking coach app ([GitHub](#)).

Teaching and Laboratory Assistant

Aug 2023 - Dec 2024

Faculty of Mathematics and Natural Sciences, UGM, Yogyakarta

- Lab assistant for Programming and Database in five classes (39 students in 2023, 73 in 2024), including two international classes taught in English.
- Grader and tutor for Programming (PRG-1, 57 students): 4 tutorials, 293 assignments graded.
- Lecture assistant for Database at the Mathematics Department (53 students), and substitute lecturer.

PROJECTS

GamaWaste [Test build](#)

2026

Thesis project. Flutter, Firebase Cloud Functions, Gemini

- Waste classification app for the UGM three-bin system, compared with MobileNetV2 in the thesis.
- The classifier mode (zero-shot, few-shot, or selective re-inference) is set from a Firestore config document, and user corrections become new labeled examples.

Sabu Saku

2026

Flutter, Firebase

- Reading journal app for high school students built around one book a month. Students log their reading from a catalog of 1,000+ books, and teachers track progress and comment.

Warmad

2026

Flutter, Firebase

- Offline-ready point of sale app for small Madurese shops: cashier, stock, expenses, customer credit, and daily cash closing. Buyers find nearby shops and search their items.

Mandu (Teman Ngadu) [Google Play](#)

2025 - 2026

Kotlin, then Flutter. Firebase

- Bullying report app for SMA Negeri 1 Sukodadi, with a school dashboard of monthly trends.

M-BOIS [Google Play](#)

2025

Kotlin, Firebase, AR

- Companion app for an East Javanese culture card game, with AR 3D objects and an AI assistant.

Kuartet Lestari [Website](#)

2024 - Present

Co-founder and developer, PKM-K and PMW. HTML, CSS, JavaScript, Firebase

- Website for an educational quartet card game about Yogyakarta culture, run as a student business and sold at Hamzah Batik and UGM Shop.

Gigi Kecil [Website](#)

2023

PKM-PI team. Flutter, React, Firebase

- Children's dental health app with AI caries detection from photos (93% accuracy), AR lessons, and a dental diary for parents. Built the Flutter app and the React website. Covered by Harian Jogja.

ORGANIZATIONS

Member

Aug 2022 - Present

Komunitas Kertas Kosong, Lamongan

- Built the community's online tryout platform and tutored Quantitative Knowledge in 2024.
- Published Mandu on Google Play and manage the community's Play Console account.

Head of Competition and Achievement Department

Sep 2022 - Dec 2024

Unit Penalaran Ilmiah Interdisipliner (UPII) UGM. Staff 2022 - 2023, Head 2024

- Led 14 staff, coordinated 7 training sessions, and supported members joining student competitions.
- As staff, helped run UPCHANCE 2023, three national competitions (business plan, essay, infographic) for 100+ participants.

Head of Community Service Department

Oct 2022 - Dec 2024

Gama Cendekia UGM. Staff 2022 - 2023, Head 2024

- Led 17 members running 5 programs a year, including a beach clean-up with a seed bomb workshop and a Ramadan food sharing drive.
- Helped secure IDR 8,000,000 from the GoTo Impact Foundation for two of the department's programs.

VOLUNTEERING

Community Service Student and App Developer

Jun 2025 - Aug 2025

KKN-PPM UGM Silaut Bertaut, Nagari Sungai Pulai, West Sumatra

- Built SI-TIRTA, a water billing and bookkeeping app, and trained 10 water utility officers to use it.
- Built Jelajah Sungai Pulai, a village profile app, tested by 20 residents for 14 days ([Google Play](#)).

Head of Bimbel Ayo Kuliah and Seminar Speaker

Jan 2025 - Apr 2025

Komunitas Kertas Kosong, Lamongan

- Headed Bimbel Ayo Kuliah, a free UTBK-SNBT tutoring program for high school students (Mar to Apr 2025), and spoke at the Ayo Kuliah seminar (Jan 2025).

Secretary and Treasurer, Generasi Cendekia 2024 Committee

Sep 2024 - Oct 2024

Gama Cendekia UGM

- Ran a national essay contest and webinar on youth character education (16-person committee).

Competition Division Staff, Business Plan

Nov 2022 - May 2023

JOINTS UGM 2023

- Ran the JOINTS Business Plan 2023 national start-up competition: wrote its guidebook and scoring matrix, and coordinated judges and 3 partner companies.

HONORS

Top 50, Student Category , BudayaGO! 2025 for M-BOIS, Ministry of Culture	Nov 2025
Best Capstone Project , Bangkit Academy 2024 Batch 2, Kaizen Room company track	Jan 2025
PKM-K Grant (IDR 8,100,000) , Ministry of Education, Culture, Research, and Technology	Aug 2024
Python Training Instructor , MathWise 2024, Mathematics Student Association UGM	Jul 2024
Inovokasia Award , Kuartet Lestari, Inovokasia 2024, UGM Vocational College	Jun 2024
Registered Copyright (HKI) , Gigi Kecil app	Apr 2024
PKM-PI Grant (IDR 9,000,000) , Ministry of Education, Culture, Research, and Technology	Nov 2023

CERTIFICATIONS

Building Machine Learning Systems , Dicoding	Jun 2026
Fundamentals of Deep Learning , Dicoding	Jun 2026
Intermediate Android Application Development , Dicoding	Dec 2024
Applied Machine Learning for Android Developer , Dicoding	Nov 2024
Fundamental Android , Dicoding	Nov 2024

SKILLS

Mobile	Flutter, Dart, Riverpod, Bloc, Provider, go_router, Kotlin, Jetpack Compose, iOS and Android release, Android Studio, Xcode
Web	Web frontend, Next.js, React, TypeScript, JavaScript, HTML, CSS, Tailwind CSS
Backend	REST APIs, Firebase (Auth, Firestore, Cloud Functions, FCM, Crashlytics), Supabase, PostgreSQL, MySQL
AI and ML	Gemini API, generative AI, few-shot learning, Python, deep learning (CNN), MLOps basics
Testing	Unit, widget, and integration tests (flutter_test, mocktail), CI with GitHub Actions
Tools	Google Play Console, App Store Connect, Git, GitHub, Figma, Scrum
Languages	Indonesian (native), English (professional working proficiency)