

Rachmad Firdaus

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Software developer

A software developer with experience in architecting scalable, multi-platform ecosystems—spanning Web, Mobile, and Desktop using modern architectures. Proven track record of delivering complex enterprise solutions by integrating intelligent systems and Generative AI capabilities to solve critical business challenges

WORK EXPERIENCE

PT Garasilabs Manivesta • Surabaya, East Java, Indonesia • February 2017 – Present **Mobile And Web Developer**

- AI-Powered Educational Platform – An intelligent learning management system that leverages AI to enhance education quality and accessibility for students and teachers.
- HR Management System – Enterprise HR platform with web admin dashboard and iOS mobile app for real-time attendance tracking and employee management.
- Restaurant Ordering System – Complete restaurant ordering ecosystem with customer mobile apps, waiter management app, and web admin.
- Trampil – Logistics Management Platform – Web-based logistics management system for shipping operations, vessel tracking, and cargo management with comprehensive admin features.
- Travel Sightseeing Platform – Web-based travel booking platform for sightseeing tours with integrated payment processing and tour management.

Freelancer • Surabaya, East Java, Indonesia • April 2021 – January 2026

Full stack developer • Freelancer

- A project for personal use that involved customizing an open-source auto-clicker application, modifying and customizing the Android app to meet specific requirements, and developing a comprehensive web admin system for integration, configuration, and management of the auto-clicker features.

Mobile developer • Freelancer

- Professional document scanning application built with Kotlin for Android. Features include auto cropping in document from camera using auto edge detection with OpenCV, get document by QR code, auto cropping in document from image gallery, export or save into PDF, text recognition using OCR, image compression, customize image editing (crop, rotate, filters, brightness/contrast adjustment), Firebase Crashlytics for error tracking, AdMob integration for monetization, and in-app purchases for premium features.

PT Angkasa Mulya Trading • Surabaya, East Java, Indonesia •
October 2016 – February 2017

Software Programmer

- A comprehensive internal desktop application developed for Angkasa Mulya Trading to streamline their core business processes. The system handles end-to-end operations including inventory management, sales processing, purchasing, and procurement. built using C# with DevExpress framework for a robust and user-friendly interface, backed by SQL Server for reliable data management. The development process utilized SVN for version control to ensure efficient collaboration and code management.

EDUCATION

Bachelor degree in Informatics Engineering

ITATS • Surabaya, East Java, Indonesia • GPA: 3.84 • June 2010 – December 2015

CERTIFICATIONS

Kotlin Android Developer Expert • November 2022 – November 2025
Dicoding Academy

Belajar Android Jetpack Pro • September 2021 – September 2024
Dicoding Indonesia

AWARDS & SCHOLARSHIPS

Top 15 Finalist – Indosat Wireless Innovation Contest (IWIC) 10 Hackathon •
October 2016
Indosat Ooredoo

SKILLS

Web and Mobile: Android, Flutter, Graphql, iOS, Java, Javascript/Typescript, Kotlin, Material UI, NextJS, React, React Native, Tailwind

Backend: NodeJS, PostgresQL, Prisma ORM, Python

Other: Docker, Git