ABDULLAH AZZAM RABBANI

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PROFILE SUMMARY

Specializing in Android application development with a strong interest in Data Engineering. Possesses a solid project portfolio with over 2 years of experience in building native Android applications from scratch using Java and Kotlin. Proficient in modern architectures such as MVVM and Clean Architecture, RESTful API integration, and database management. A proactive problem-solver and fast learner, eager to apply technical skills in a dynamic work environment.

SKILLS

- **Programming Languages:** Java, Kotlin, Python, SQL, PHP

- **Android Development:** Android Studio, Android SDK, XML Layout, Jetpack Compose (Basic), Retrofit 2, MVVM, Clean Architecture

- **Web & API:** RESTful API, Native PHP, PHP Slim Framework, Vue.js 3

- **Database:** MySQL, Firebase, PostgreSQL, MongoDB

- **Tools & Technologies:** Git, Docker, Figma, Flask, Django, Redis, DigitalOcean

- **Languages:** Indonesian (Fluent), English (Professional), Arabic (Professional)

PROJECTS

HollyQuran - Android Quran Application

- Developed a functional and responsive native Quran application for the Android platform.

- Implemented modern architecture (MVVM and Clean Architecture) to ensure structured, scalable, and maintainable code.

- *Technologies:* Java, Kotlin, Android Studio, Android SDK

PhoneApp - Smartphone Specification Directory Application

- Built a mobile application to dynamically display detailed specifications of various smartphones.

- Integrated the application with an external RESTful API using Retrofit 2 to retrieve and present real-time data.

- *Technologies:* Java, Android Studio, RESTful API, Retrofit 2

Recipe App - Full-Stack Recipe Application

- Built a full-stack recipe application containerized with Docker.

- Developed the frontend using Vue.js 3 and the backend using PHP Slim Framework as an API proxy.

- *Technologies:* Vue.js 3, PHP Slim Framework, Docker, RESTful API

StugentApp - Student Attendance and Grade Application

- Designed a server-integrated Android application to assist teachers in efficiently managing attendance and inputting student grades.

- *Technologies:* Java, Android Studio

Library Management System

- Designed and built a desktop application to automate the book borrowing and return process in the library, reducing input errors by up to 92%.

- *Technologies:* Java, Java Swing, MySQL, JFreeChart

Native Student Data API

- Built a RESTful API from scratch using native PHP for student data management (CRUD).

- This project aimed to deepen the understanding of RESTful API concepts and database relations.

- *Technologies:* Native PHP, MySQL

GeekerBot - Discord Moderation Bot

- Developed a multifunctional Discord bot for automated server moderation, protecting against spam and malicious behavior.

- Integrated Celery and Redis to handle tasks asynchronously.

- *Technologies:* Python, Celery, Redis

Retail Sales Performance Data Analysis

- Conducted comprehensive data analysis on DQLab Store sales data using SQL.

- Generated reports on sales performance, promotional effectiveness, and annual customer analysis.

- *Technologies:* SQL

EDUCATION

Rabbaanii IT Islamic School | Software Engineering (Graduated 2022)