# Haerul Muttaqin

**Software Engineer experienced in Mobile (Android) & Web Development**
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Bekasi, West Java, Indonesia

## Summary

As a Software Engineer experienced in Mobile (Android) & Web Development with 6+ years of experience, I prefer proven and reliable technologies while keeping up with newer technologies. Passionate about building scalable applications, and I span developing Android applications, websites, and APIs.

## Professional Experience

**May 2023 - Present**
(2 year, 5 months)

### Senior Android Developer
PT. Visi Prima Nusantara | DKI Jakarta, Indonesia

- **Portal Sekolah** (Student, Staff/Teacher, Parent App) - Learning Management System, School Management System
- **Portal Kerja** - Job Market
- **Portal Kerja** - HRMS (Human Resource Management System)
- **Portal Kampus** - SIAKAD (Sistem Akademik)
- **Portal Kampus** - LMS (Learning Management System)

**Responsibilities :**

- **Enhance a school exam application** serving over **100k+ users**. Achieved a crash-free rate of **99.9% (up from 80%)** by migrating the codebase to a modern stack that included Jetpack Compose, Clean Architecture, and modularization.

- **Created a reusable components library** and published it on Jitpack. This library is now used across **six different products**, which has helped reduce code redundancy and **significantly improved development efficiency** for the entire team.

- **Contributed to the ground-up development of six new Android applications**, ensuring all projects were **delivered on time** and met stakeholder expectations.

- Implemented CI/CD pipelines using GitHub Actions and Firebase App Distribution, **reducing release cycle time by 40%** and ensuring faster feedback from QA and stakeholders.

- Optimized application **performance by reducing startup time by 35%** and minimizing app size through ProGuard/R8 and dependency trimming.

- **Conducted regular knowledge-sharing sessions** among team members, fostering collaboration and improving overall development practices.

**Apr 2022 – May 2023**
(1 year, 2 months)

## Full-stack Developer
PT. Diwabara Digital Solusi | Bekasi, Indonesia

- **NODE App** (Gradu & Trafo (Electrical) Management System), Measurements App
- **Inventory App**
- **EMS** (Energy Monitoring & Management System)

### Responsibilities :

- **Engineered a powerful and scalable full-stack solution** by seamlessly integrating modern technologies like Kotlin, Java, React.JS/Next.JS, Node.JS, and PostgreSQL.

- Spearheaded the architecture and development of web, API, and Android applications, significantly boosting stability and **achieving 100% on-time project delivery**.

- Implemented **robust authentication** and authorization systems, including role-based access control, to enhance security across applications.

- Optimized database queries and schema design in PostgreSQL, **improving performance and reducing response time by up to 30%**.

- Set up CI/CD pipelines and automated testing, which **streamlined deployment processes** and minimized production issues.

**Dec 2018 - Apr 2022**
(3 years 5 months)

## Android Developer
PT Cakrawala Putra Nusantara | DKI Jakarta, Indonesia

- **SADIX** - Supply Chain App, Direct Order App
- **CRM** (Customer Relations Management) App for PT. CRM
- **XLOCATE** - Route Optimation, Fleet Tracing App

### Responsibilities :

- **Functioned as a pivotal developer within a cross-functional team**, working with designers and backend engineers to maintain and build Android applications.

- Led the initiative to **migrate the existing codebase (Java) to Kotlin**, resulting in enhanced code quality and a notable improvement in developer productivity.

- Introduced and implemented **modern architectural design** patterns to ensure long-term scalability and maintainability across all Android projects.

- Integrated third-party services and APIs (such as payment gateways, mapping, and notification systems) to **expand app functionality and improve user experience.**

- **Optimized app performance and reliability**, achieving faster load times and reducing crash rates through systematic profiling and refactoring.

- **Conducted regular knowledge-sharing sessions within the Android team**, promoting best practices and aligning coding standards across projects.

## Formal Education

2013 - 2018

### Universitas Pelita Bangsa
Bachelor's Degree in Informatics Engineering | Indonesia
(IPK: 3.01)

## Technical Skills & Stack

Kotlin, Java, Jetpack Compose, Degger Hilt, Room, Coroutine,  Clean Architecture, Modularization, MVVM, Material Design, Android Studio, Gradle, Github, Bitbucket, Agile Development, Kotlin Multiplatform, Compose Multiplatform, React.js (Next.js), Node.js, Typescript, PHP, Laravel

## Additional Info

**Organization Contributes:**
- Participant Indonesia Android Kejar by Google (Android Programmer Beginner) Sept 2017;
- Participant Indonesia Android Kejar by Google (Android Programmer Advanced) Nov 2017;
- Facilitator Indonesia Android Kejar by Google (Android Programmer Beginner) Feb 2018;
- Scholarship Dicoding (Kotlin Android Developer Expert) - Google Developer Kejar (Kotlin on Android) Okt 2018;
- Website Guru Desa Mengajar, Feb 2020;

**Portofolio:**
https://hae.my.id/work