

EKO PARISTA

Cross-Platform Software Engineer & Digital Architect

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PROFESSIONAL SUMMARY

Versatile and results-driven Software Engineer with extensive experience in architecting and deploying production-ready solutions across Desktop, Mobile (iOS & Android), and Web platforms. Proven track record of building scalable systems, from fintech applications with complex profit-sharing algorithms to enterprise-grade educational ecosystems adopted by 26 institutions. Adept at database optimization, real-time data sync, and driving full-cycle digital development from concept to market.

CORE TECHNICAL SKILLS

Deployment Platforms

iOS & Android (Mobile), Desktop Software, Responsive Web Systems



Core Tech Stack

Flutter, React Native, PHP, HTML5, CSS3, Google Apps Script



Engineering Focus

Database Performance, Real-Time Data Sync, Fintech Logical Algorithms



ENGINEERING EXPERIENCE & CASE STUDIES

School Administration & Management Ecosystem

PHP, MySQL, Apps Script

- Designed and deployed a comprehensive school administration ecosystem currently adopted by 26 educational institutions (20 elementary and 6 middle schools).
- Architected and optimized MySQL databases to handle large-scale student, library, and correspondence records, ensuring lightweight runtime and high data availability.
- Integrated Google Apps Script and automated core administration workflows, slashing overall administrative workload by 50%.

Automated Fintech & Investment Platform

Web Architecture

- Architected and developed a full-scale investment platform featuring a secure, systematic Admin Dashboard and client web interfaces.
- Engineered reliable, precision-based backend logic to automate complex profit-sharing algorithms and multi-tiered referral systems.
- Designed unified data tracking pipelines to give active users granular, real-time tracking of investment performance metrics.

Cross-Platform Digital Guestbook

Flutter, React Native

- Engineered an adaptive digital guestbook application engineered for flawless execution across Desktop, iOS, and Android deployment layers.
- Implemented high-speed, real-time data synchronization and scheduling modules utilizing persistent notification triggers.
- Optimized compilation packages for low-memory footprints to guarantee stability across various device tiers.

Enterprise Organizational Database (Organisasi Pencak Silat Indonesia)

Database Scaling

- Built an enterprise-grade administration and data aggregation suite for "Organisasi Pencak Silat Indonesia", a prominent mass membership organization.
- Successfully scaled the underlying database architecture to safely manage, query, and structure records for thousands of active members.
- Developed high-efficiency indexing routines to process registration and internal communications without latency spikes.