

RESTU SURYO PRATOMO

Senior Software Development Engineer · Full-Stack · Mobile · Fintech

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14+

Years Exp.

9+

iOS Years

170M

DANA 2023

Top 3

DANAHack

PROFESSIONAL SUMMARY

Results-driven Senior Software Development Engineer with 14+ years of proven experience delivering production-grade web and mobile systems at scale, including 9+ years of dedicated iOS development. Most recently at DANA — Indonesia's #1 digital wallet with 170M registered users (2023) — delivering iOS features including Core NFC payment integration and a ~2x improvement in Google Ads CTR & impressions. Recognised for innovation, placing 3rd at DANAHack 2022 against 10–20 teams. Cross-platform expertise across React Native, Flutter, PHP, Python, and C#. Portfolio at <https://restupratomo.web.id>.

TECHNICAL SKILLS

iOS Development	Swift · Objective-C · Xcode · UIKit · SwiftUI · Core NFC · Core Data · App Store Connect
Cross-Platform Mobile	React Native · Flutter · Android (Google Play) · BlackBerry
Languages & Frameworks	PHP · Python · C# · JavaScript · Java · VB.NET · ABAP
Back-end & Integration	RESTful API · Unit Testing · Functional Testing · Agile/Scrum · CI/CD
Cloud & Data	Microsoft Azure · MySQL · MS SQL Server · SAP SCM · SAP ABAP Workbench
Tools	Git · Xcode · Eclipse IDE · Microsoft Office · macOS · Windows

PROFESSIONAL EXPERIENCE

Senior iOS & Mobile Engineer

May 2019 – May 2026

PT Aliansi Teknologi Indonesia (DANA – Digital Wallet Platform)

Indonesia's #1 fintech super-app · 170M registered users (2023) · Swift · React Native · Flutter

- Architected and delivered production iOS feature modules end-to-end — from technical scoping through App Store release — on DANA's high-cadence roadmap serving 170M+ active users with high-availability requirements.
- Implemented Core NFC integration on iOS for top-up of three major Indonesian e-money cards — Flazz BCA, Mandiri e-Money, and BRI Brizzi — navigating Apple's strict NFC entitlement constraints to deliver seamless in-app card reloading, made available across DANA's 170M+ registered user base.
- Led the iOS revamp of DANA Inbox Google Ads and transaction banner placements, redesigning ad rendering and placement logic — achieving approximately ~2x increase in both ad impressions and click-through rate, directly boosting in-app ad revenue.
- Established a test-first culture within the squad by authoring comprehensive unit and functional test suites — adopted as standard practice across the team and credited with maintaining a consistently low production defect escape rate.
- Served as a senior reviewer for architectural and code reviews across the squad, raising iOS code quality standards team-wide and mentoring fellow engineers on best practices during sprint planning.
- 3rd Place — DANAHack 2022: built Family Account (balance/limit sharing + member invitations) as a 4-person dev team against 10–20 competing teams.
- Core NFC on iOS — rare capability requiring Apple entitlement, applied to live fintech product at scale.
- DANA iOS — Face Login, WKWebView mini-program support, Core NFC top-up (BCA Flazz, Mandiri e-Money & BRI Brizzi), Inbox Google Ads & transaction banner revamp (~2x CTR). [[iOS](#) · [Swift](#) · [Core NFC](#) · [Google Ads](#) · [Fintech](#)]

iOS & PHP Software Developer

Aug 2012 – Apr 2019

PT Aero Systems Indonesia (Garuda Indonesia Group Subsidiary)

iOS native (Obj-C → Swift): 3 yrs · PHP back-end: 6 yrs · Aviation enterprise

- Developed and shipped 5+ native iOS and PHP applications for Garuda Indonesia Group — including the GarudaMiles loyalty platform, Citilink booking app, Garuda Cargo iOS, and internal aviation dashboards — covering the group's customer loyalty, booking, cargo, and internal operations functions.
- Led the iOS codebase migration from Objective-C to Swift across 5+ aviation products (GarudaMiles, Citilink, Garuda Cargo, and internal dashboards), modernising architecture and establishing the Swift-based foundation used for all subsequent iOS development.
- Managed the complete mobile app lifecycle for 5+ production apps — including GarudaMiles, Citilink, and Garuda Cargo — across App Store, Google Play, and BlackBerry World, from design and development through QA, store submission, and post-launch maintenance.

- Audited legacy systems across Garuda Indonesia Group's iOS and PHP platforms, identifying critical technical debt and presenting an architecture improvement roadmap that was adopted by senior management as the basis for the Objective-C to Swift migration and broader platform modernisation.
- **First iOS developer at Aero Systems** — built iOS practice from ground up across 5+ aviation products.
- **Garuda Indonesia Mobile** — Deeplink payment flow, GarudaMiles registration & member updates, miles calculators, and check-in features. [\[iOS · Obj-C/Swift · Payments · Aviation\]](#)
- **Citilink Indonesia Mobile** — Booking with meals, insurance & seat selection; iOS menu revamp; GarudaMiles login; BCA OneKlik payment. [\[iOS · Booking · OneKlik · Aviation\]](#)
- **Garuda Indonesia Dashboard iOS** — Private dashboard for on-time performance, passenger load factor by route, and authenticated access for internal users. [\[iOS · Private App · Dashboard · Aviation\]](#)
- **Garuda Indonesia Cargo iOS** — Mobile content delivery app for Garuda Indonesia Cargo services. [\[iOS · Content · Cargo · Aviation\]](#)
- **GarudaMiles Web Platform** — Loyalty website — registration, profile updates, partner miles redemption, earn/redeem calculators, and CMS. Live at garudamiles.com. [\[PHP · MySQL · CMS · Loyalty\]](#)
- **Revenue Accounting Kalstar** — Private aviation revenue system — Passenger Manifest Data, sales upload, PMD-sales matching, user management, and page-level access control. [\[PHP · MySQL · Aviation Enterprise\]](#)
- **Garuda Mobile Resource Dashboard** — Internal support website for Garuda mobile apps: news, offers, push notifications, user privileges, and mobile sales reporting. [\[PHP · Internal Dashboard · Aviation\]](#)
- **Garuda Indonesia Crew** — Internal crew support website for managing Garuda Indonesia checklist pages. [\[PHP · Internal · Crew Management\]](#)

Web & Java Mobile Developer

Dec 2010 – May 2011

INTI College Indonesia
EdTech · West Jakarta · Contract

- Built and maintained PHP/Java web platforms for educational technology clients, proactively resolving technical issues to keep platforms consistently available for daily academic use.
- Collaborated with academic staff to gather requirements and translate them into functional web features, ensuring platforms aligned with institutional learning objectives.
- Performed routine system monitoring, bug fixes, and performance optimisation — improving page load speed and platform reliability for daily use by students and faculty.

Web & Mobile Application Programmer

Jul 2009 – Jul 2010

PT Kassa9 International
Web & Mobile · Jakarta

- Owned the full app lifecycle for web and BlackBerry mobile products — from concept and prototyping through development, QA, and deployment — standardising platform components to enable multi-brand delivery with minimal code duplication.
- **Kassa9 BlackBerry Apps** — News loading and comment functionality for Kassa9 mobile users on BlackBerry platform. [\[BlackBerry · News · Community\]](#)
- **Kassa9 Web Platform** — Garage sale platform with rating and comment features for marketplace users. [\[PHP · Marketplace · Community\]](#)

AWARDS & RECOGNITION

- **3rd Place — DANAHack 2022** · DANA (PT Aliansi Teknologi Indonesia), 2022
4-person iOS dev team · Built *Family Account* feature — wallet balance/limit sharing and family member invitations — addressing financial inclusion in Indonesia's digital economy.

EDUCATION

Bachelor of Computer Science — Database Technology Concentration

2005 – 2009

Bina Nusantara University (BINUS), Jakarta · GPA: 3.12 / 4.00

CERTIFICATIONS & TRAINING

- App Development with Swift Certified User	Apple / Certiport	Dec 2023
- App Development with Swift Associate	Apple / Certiport	Apr 2023
- Microsoft Certified: Azure Data Fundamentals	Microsoft	Jun 2025
- Dynamics 365 Fundamentals — Finance & Operations Apps ERP	Microsoft	Jun 2025
- Online TOEFL Test 6	Englishvit	Mar 2025
- Information Technology Specialist in Software Development	Pearson	Oct 2024
- PMI Project Management Ready	PMI	Oct 2024

- Information Technology Specialist in Python	Pearson	Jan 2024
- SAP SCM500 – Business Processes in Procurement	Binus Center Kedoya	2009
- BC400 – Introduction to ABAP Workbench	Binus Center Kedoya	2010
- PHP Web Development	EVO Institute	2008

ADDITIONAL INFORMATION

Languages	English (Professional Working Proficiency · TOEFL Certified) · Indonesian (Native)
Portfolio	https://restupratomo.web.id
Date of Birth	17 December 1986, Jakarta
Marital Status	Married
Availability	Open to new opportunities — immediate start possible

Source: DANA platform scale of 170M registered users reported in 2023. References: ANTARA News — antaranews.com | Kontan — pressrelease.kontan.co.id