

Bagus Aji Santoso

Software Engineer — Frontend · React · TypeScript · 3D Web

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SUMMARY Software Engineer with 9 years building across web, mobile, and 3D platforms. Strong in **React, Next.js, and TypeScript** with a rare strength in **Three.js/WebGL** — delivering interactive 3D product configurators for international clients. Published 10+ mobile apps on App Store and Play Store using Flutter and React Native. End-to-end ownership: architecture through CI/CD through App Store deployment.

SKILLS	FRONTEND	React	Next.js	TypeScript	JavaScript	Tailwind CSS
	3D / WEBGL	Three.js	WebGL	React Three Fiber		
	MOBILE	React Native	Flutter (Dart)	Android Native (Kotlin / Java)		
	INFRA	CI/CD	GitHub Actions	Fastlane	Express.js	

SELECTED PROJECTS	VanHaven — 3D Van Configurator	HTML5 · CSS3 · JavaScript · Three.js
	360° luxury VW Transporter conversion configurator for a UK bespoke van builder. Real-time exterior/interior customization, dark/light mode, in-browser PDF brochure generation, and localStorage persistence.	
	AllStar Courts — 3D Court Designer	HTML5 · CSS3 · JavaScript · Three.js · WebGL
	Custom-built (no rendering platform) 3D basketball court designer for a Melbourne court builder. Procedural geometry generation, raycasting for interaction, real-time color/logo projection/fencing config, screenshot capture, and instant quote system.	
	Leef Doors — 3D Door Configurator	React · Vite · React Three Fiber · Express.js
	7-step guided wizard with live 3D preview, realistic glass material rendering, live dynamic pricing, and a full admin dashboard for product/pricing management without code deploys.	
	Fotogrit Corporate Website	Next.js · TypeScript · Tailwind CSS · CMS
	Modern corporate website and internal CMS for a sports photography company. Built with Next.js for performance and SEO, styled with Tailwind CSS utility-first design system.	
	ModernVet	Flutter · Express.js
	Mobile app for a pet healthcare platform with 5 branches in Jakarta. Published on App Store and Play Store.	
	JBA Indonesia	Flutter · Dart · Socket.io · Firebase · GetX
	Real-time automotive auction app with live bidding via Socket.io. Push notifications via Firebase, release flavoring for multi-environment builds, and state management with GetX. Published on App Store and Play Store.	

EXPERIENCE	Software Engineer — ModernVet	Mar 2025 – Present
	Jakarta, Indonesia · Remote	
	– Build and maintain cross-platform mobile app with Flutter for a pet healthcare platform with 5 branches – Develop backend API services with Express.js	

- Rotate as tech lead on feature development cycles

Freelance Web, Mobile & 3D Developer

Jan 2020 – Present

- Shipped 3D product configurators for clients in AU, UK, and NL using Three.js and React Three Fiber
- Built corporate websites and CMS platforms with Next.js and TypeScript
- Published multiple cross-platform apps with Flutter and React Native

Mobile Application Developer — Logique Digital Indonesia

Feb 2020 – Jun 2024

South Jakarta, Indonesia

- Migrated legacy React Native apps to latest version with full TypeScript conversion
- Built offline-first Android apps with Kotlin and Room database for field operations
- Integrated Microsoft Authentication Library (MSAL) with Azure services
- Set up CI/CD workflows with Fastlane, Jenkins, and GitLab CI/CD

Android Development Trainer & Lead Content Developer — Codepolitan

Jul 2017 – Feb 2020

Bandung, West Java

- Trained developers in Android, Java, and Kotlin
- Authored a programming book and video courses
- Led content development for an online programming education platform

EDUCATION

Bachelor of Education: Computer Science

Indonesian University of Education (UPI), Bandung — 2018

LANGUAGES

English

Fluent

Bahasa Indonesia

Native