

AHMAD GIOFADHIL

Cibubur, Jawa Barat · giofadhil.ahmad@gmail.com · 0813 8493 4615

Fullstack and mobile software developer with experience delivering 30+ projects across 3+ countries. Strong in building web and multiplatform applications using React (Vite), React Native, Laravel, and modern databases (PostgreSQL, MySQL, MongoDB). Experienced with monorepo architecture, atomic design systems, real-time systems (WebSocket, MQTT), and third-party API integrations (GraphQL and RESTful APIs). Comfortable deploying and operating production systems on Linux with Docker, Nginx, and Cloudflare, with proven delivery of security features including RBAC, 2FA, and SSO integrations.

<https://www.giosh.com>

EXPERIENCE

AVIRTECH (PT SKYTECH INDONESIA)

App Maintainer

2026 – Now

- Maintained production uptime and resolved live bugs across multiple organizational applications.
- Managed deployments and infrastructure on Linux environments using Docker, Nginx, Cloudflare, and Hostinger.
- Implemented security hardening and operational alerting using Fail2ban and Telegram-based security notifications.

LUCE SG

Frontend + Mobile Developer (Monorepo & Atomic Design)

2025 – 2026

- Authored technical specifications for Global Host Modal, Gift-Card feature, and TikTok/Reels-style scrollable video content.
- Developed multiplatform web and mobile features using React (Vite), React Native, and GraphQL.
- Partnered with UI/UX to build a design system from scratch and delivered pixel-perfect UI from Figma using Tailwind CSS and Radix UI.
- Contributed to a pnpm monorepo architecture with separated node_modules per app-level folder installation.
- Integrated analytics and edge tooling including Google Analytics, Google Tag Gateway, and Cloudflare.

AVIRTECH (PT SKYTECH INDONESIA)

Fullstack Software Developer

2021 – 2025

- Delivered multiple production web, mobile, and automation solutions including IoT dashboards, sales force apps, reporting apps, CMS websites, automation scrapers, and uptime monitoring tools.
- Built dynamic dashboards with tenant-based data structures and customizable UI components, delivering pixel-perfect interfaces from Figma across React (Vite) and React Native.
- Integrated third-party and satellite/external APIs and implemented real-time data delivery via WebSocket; coordinated with hardware engineers and enabled MQTT (Mosquitto) integrations aligned to IoT device behavior.
- Implemented security and identity features including modular roles, access permissions, 2FA, email integration, and custom SSO integration.
- Deployed and operated applications on Ubuntu using Docker and Nginx; automated scheduled jobs with cron and built automation scripts using JavaScript (Playwright) and shell scripting.

PROJECTS

IOT DATA OBSERVER DASHBOARD

A dynamic IoT dashboard for observing device data with tenant-based structures and customizable widgets.

- Built a dynamic IoT dashboard with customizable widget sizing and tenant-based data structures using React and PostgreSQL.
- Integrated third-party and satellite/external RESTful APIs and implemented real-time data delivery via WebSocket connections.
- Collaborated with hardware engineers to align software behavior with IoT device capabilities, including

MQTT (Mosquitto) integration.

- Implemented modular roles, access permissions, 2FA, email integration, and custom SSO integration.

SALES FORCE APP

A sales force application for tracking marketing approaches and lead status with Kanban workflow management.

- Partnered with Sales Lead to build a sales force app for tracking marketing approaches and lead status using React and Laravel.
- Implemented Kanban drag-and-drop workflows to manage lead pipeline states.
- Delivered tenant-based architecture with modular role accounts and role-based access permissions (RBAC).
- Deployed on Ubuntu with Docker and Nginx and integrated email workflows.

SPRAYING MODULE REPORTING

A multiplatform reporting application for field spraying modules with mapping and Android BLE support.

- Built a multiplatform reporting application using React (Vite) and React Native with pixel-perfect Figma implementation.
- Integrated third-party RESTful APIs and collaborated with hardware engineers to support field module data flows.
- Implemented tenant-based data architecture with modular roles and access permissions (RBAC).
- Added map features using Leaflet and delivered BLE module support on Android.
- Deployed using Ubuntu, Docker, and Nginx.

COMPANY PROFILE WEBSITE WITH CMS

A company profile website with CMS capabilities built on Next.js and PostgreSQL.

- Developed a company profile website with pixel-perfect UI implementation from Figma using Next.js.
- Built CMS capabilities backed by PostgreSQL.
- Deployed on Ubuntu with Nginx and Docker.

DOWNLOAD FILE SCRAPER (DRONE DATA)

A scheduled automation script to download drone data via third-party integration to overcome vendor limitations.

- Created a scraper script to download drone data via third-party integration to overcome vendor limitations using JavaScript.
- Automated scheduled execution using cron on Ubuntu.
- Implemented browser automation using Playwright.

UPTIME CHECK MONITORING SCRIPT

A scheduled uptime monitoring script with Telegram alerts for downtime notifications.

- Built an uptime monitoring script to check web downtime on a schedule using cron.
- Integrated Telegram alerts to notify stakeholders of downtime events.
- Implemented using shell scripting on Ubuntu.

APP MAINTENANCE & MIGRATION (MULTIPLE APPLICATIONS)

Maintenance and migration work across multiple organizational applications with deployment and security hardening.

- Maintained production uptime and resolved live bugs across organizational applications.
- Delivered new applications as needed, including e-commerce, LMS, and CMS solutions.
- Managed infrastructure and deployments using Ubuntu, Docker, Nginx, Cloudflare, and Hostinger.
- Implemented security hardening and alerting using Fail2ban and Telegram-based security notifications.
- Integrated payments (MidTrans) and email workflows across applications.

E-COMMERCE APP (PAYMENTS & EMAIL)

An e-commerce application with payment processing and email integrations.

- Built an e-commerce application using React (Vite) and Laravel.

- Integrated Duitku payment processing and email notifications.
- Deployed on Ubuntu with Docker, Nginx, Cloudflare, and Fail2ban.

LMS APP (CERTIFICATES)

A learning management system to support learning workflows and generate online certificates.

- Developed an LMS to support learning workflows and generate online certificates.
- Integrated Duitku payments and email notifications.
- Deployed on Ubuntu with Docker, Nginx, Cloudflare, and Fail2ban.

HOSPITAL E-COMMERCE PLATFORM (WEB & MOBILE)

A web and mobile e-commerce solution for hospital customers with multi-role workflows and real-time notifications.

- Led a delivery team (2 web engineers, 1 mobile engineer, 1 PM) and selected the tech stack for the platform.
- Built a multi-role system with permission-managed CRUD to support complex sales-platform-buyer workflows (RBAC).
- Implemented real-time notifications using WebSocket (PusherJS).
- Delivered web and mobile components using Laravel, Next.js, React (Vite), React Native, and PostgreSQL.
- Deployed on Ubuntu with Nginx and Cloudflare; collaborated using Figma and Whimsical.

CREDIT MAINTAINING APPLICATION (KOPERASI) WITH PWA

A koperasi credit-flow application built end-to-end with multi-role access and PWA capabilities.

- Led a team (3 engineers, 1 UI/UX, 1 PM) to deliver an end-to-end credit-flow application.
- Delivered pixel-perfect UI from Figma and Whimsical using React (Vite) and shadcn/ui with Laravel and PostgreSQL.
- Implemented multi-role users, push notifications, and PWA capabilities to enable near-native mobile notifications.
- Deployed on Ubuntu using Nginx and Cloudflare with Git-based collaboration.

ENGINEERING NOTES (ZENHUB/JIRA-LIKE PRODUCT)

A Zenhub/Jira-like product built with Next.js and PostgreSQL.

- Developed Zenhub/Jira-like functionality using Next.js.
- Implemented relational data modeling using Prisma with PostgreSQL.
- Deployed with Docker on Ubuntu and integrated Cloudflare.

ARCH AI (ROOM DESIGN WITH AI)

A Next.js product that generates AI picture ideas for interior room design using third-party AI services.

- Built a product that generates AI picture ideas for interior room design using Next.js.
- Integrated third-party AI services via API integration.
- Implemented database access using Prisma with PostgreSQL and deployed via Docker on Ubuntu with Cloudflare.

SUBSCRIPTION & PAYMENT INTEGRATION ECOSYSTEM

A subscription and marketing ecosystem with localized payments and marketing automation for a Netherlands-based client.

- Engineered a subscription and marketing ecosystem for a Netherlands-based client.
- Built a decoupled architecture using Next.js and Prisma to manage complex PostgreSQL relations.
- Integrated Mollie for payment processing and automated marketing sync via ActiveCampaign.
- Used WordPress as a headless CMS for flexible content management.
- Implemented RESTful API integrations and automation workflows across the subscription lifecycle.

BOOKING SYSTEM APP

A booking engine with split-day availability and session-based scheduling for a Netherlands-based windmill company.

- Built a booking engine with split-day availability and session-based scheduling.
- Implemented custom scheduling logic using Laravel, SvelteKit, and PostgreSQL.
- Delivered responsive UI and integrated email workflows.
- Deployed on Ubuntu with Nginx and managed source control with Git.

MONOREPO MULTIPLATFORM COMIC APPLICATION

A multiplatform comic application built with shared components across web and mobile.

- Built a multiplatform comic application with consistent gestures and interactions across devices.
- Implemented web UI using React (Vite) with shadcn/ui and mobile using React Native with reusable components.
- Integrated Supabase for backend services and WorkOS for identity/organization capabilities.

ATM TICKETING SUPPORT SYSTEM (PWA)

A cross-platform PWA to track maintenance tickets, parts requests, and deliveries with real-time updates.

- Developed a cross-platform PWA to track maintenance tickets, parts requests, and deliveries.
- Implemented real-time push notifications and WebSocket-based updates to support operational workflows.
- Built export functionality for CSV and XLSX reporting.
- Delivered fullstack features using Laravel, React (Vite), and PostgreSQL with Figma-based UI implementation.
- Deployed on Ubuntu with Nginx and Git-based collaboration.

SALES FORCE APP (KANBAN + DASHBOARDS)

A sales force application with Kanban pipeline management and interactive dashboards.

- Built a sales force application to track marketing leads and pipeline status changes.
- Implemented Kanban drag-and-drop interactions for efficient lead management.
- Created interactive clickable chart dashboards and scorecards.
- Developed with Laravel, React (Vite), shadcn/ui, and PostgreSQL; integrated email workflows.
- Deployed on Ubuntu with Nginx and managed code with Git.

CRM WHATSAPP INTEGRATION

A CRM system integrating WhatsApp APIs with real-time chat bridging and template messaging support.

- Built a CRM system integrating WhatsApp APIs including template messaging support.
- Enabled real-time chat bridging between WhatsApp and the application using WebSocket services (Express.js).
- Integrated non-official WhatsApp APIs to support internal communication needs.
- Delivered interactive dashboards and real-time status changes using Laravel and PostgreSQL with Ubuntu-based deployment via Nginx.

IOT REALTIME INTERACTION AND OBSERVATION

An IoT web architecture enabling real-time interaction via MQTT and WebSocket-based event delivery.

- Implemented IoT real-time interaction via MQTT protocol integrated into the web architecture.
- Built real-time event delivery using Laravel Echo Server and WebSocket connections.
- Developed with Laravel and PostgreSQL and deployed using Nginx.

SALES FORCE WEB APP (EXPORT TO XLSX)

A sales force web application with export-to-XLSX capabilities deployed via cPanel.

- Developed a sales force web application with export-to-XLSX functionality.
- Built using Laravel, Bootstrap templates, and MySQL.
- Deployed via cPanel.

EDUCATION

SMAN 54 JAKARTA
Senior High School

2013 - 2016

GUNADARMA UNIVERSITY
Bachelor's Degree

2017 - 2021

SKILLS

- **Languages:** JavaScript, SQL, Shell Script (sh)
- **Frameworks & Libraries:** React (Vite), React Native, Laravel, Next.js, SvelteKit, Tailwind CSS, Bootstrap, Radix UI, shadcn/ui
- **Databases & Backend Services:** PostgreSQL, MySQL, MongoDB, Prisma, Supabase
- **DevOps, Tools & Platforms:** Git, Docker, Ubuntu, CentOS, Nginx, Cloudflare, pnpm (monorepo), Cron, cPanel, Playwright, Hostinger
- **APIs, Realtime, Security & Delivery:** GraphQL, RESTful API integration, WebSocket (Socket.io, Laravel Echo Server, PusherJS), MQTT (Mosquitto), Role-based access control (RBAC) & permissions, 2FA, SSO integration, Payment gateways (MidTrans, Duitku, Mollie), PWA, Push notifications, Google Analytics
- **Collaboration & Leadership:** Team leadership, Cross-functional collaboration (UI/UX, hardware engineers), Technical specification writing, Problem solving, Remote collaboration (Microsoft Teams), Figma-to-pixel-perfect implementation

LANGUAGES

- English
- Indonesia