

JHADE JAPHET BANGQUIAO

Full-Stack Developer

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PROFILE

Full-stack developer with 3+ years of experience shipping production web, mobile, and IoT systems end to end — from database architecture and backend APIs to motion-rich frontend interfaces. Currently building a live ride-hailing platform for an Australian client, an ERP-style workspace for a Philippine agribusiness, and an operations platform for a US-based online education business. Daily Claude Code user for architecture planning, code generation, and debugging. Recently recognized as 3rd Best Paper Presenter at the 2026 International Student Research Congress.

TECHNICAL SKILLS

- Languages:** JavaScript, TypeScript, Python, PHP, Dart, HTML5, CSS
- Frontend:** React, Next.js, Tailwind CSS, Three.js (React Three Fiber), GSAP, Zustand
- Backend:** Node.js, Express, Django, Laravel, WebSockets (Daphne)
- Mobile:** Flutter (Riverpod, Melos), React Native (Expo)
- Databases:** PostgreSQL, MySQL, MongoDB, Supabase, Firebase / Firestore, Prisma
- Cloud & DevOps:** Vercel, Render, Google Cloud, Docker, Git, GitHub
- IoT / Embedded:** ESP32, PIC16F88
- APIs & Services:** Stripe, Twilio, Resend, Google Maps Platform, Claude API, Google Sheets API
- Testing:** Vitest, Playwright
- AI Tools:** Claude Code, Codex, ChatGPT, Kling AI, Lovable
- Design:** Figma

EXPERIENCE

- Full-Stack Developer (Team)** — R Ally's Tours and Transfers — Australia (Remote) *Apr 2026 – Present*
- Building R Allys Chauffeurs, a live premium chauffeur/limousine/airport-transfer booking platform, as part of a development team.
 - Delivering two Flutter mobile apps (passenger + driver) and an admin web console on one shared serverless backend.
 - Implementing live driver tracking, dispatch, wallet + card payments, a dynamic fare engine (surge, zones, tolls, GST), masked calls/SMS, CRM/marketing, and corporate/travel-agent portals.
- Stack:** Flutter (Melos monorepo, Riverpod), Firebase (Cloud Functions/TypeScript, Firestore, Realtime DB, Auth, Storage, FCM), Next.js 15 + Tailwind (Vercel), Stripe, Twilio, Resend, Google Maps Platform.
- Full Stack Engineer** — SomSkool — Philippines (Remote) *Jul 2026 – Present*
- Built and shipped SomSkool, an internal operations platform that replaced manual spreadsheet tracking for a Skool-based online education business serving students in Somalia, Kenya, and Ethiopia.
 - Implemented the full manual-payment pipeline: bilingual (English/Somali) registration, mobile money intake for EVC Plus, E-Dahab, ZAAD, SAHAL, and M-PESA, payment-reference screenshot upload, staff approve/reject with reason, and automatic membership activation.
 - Delivered role-based dashboards for CEO, Operations Manager, and Customer Service covering revenue, pending approvals, membership status, call activity, conversion rates, complaints, and daily reports.
 - Built daily/weekly/monthly/custom reporting with PDF, Excel, and CSV export, an append-only audit log, class scheduling with timezone-correct sessions, and a hand-built auth layer (sessions, bcrypt, RBAC) across 35+ pages and 37 test suites.
- Stack:** Next.js 16 (App Router) + React 19, TypeScript, Prisma + PostgreSQL (Supabase), Supabase Storage, Tailwind CSS v4 + shadcn/ui, Zod, Luxon, PDFKit, ExcelJS, Vitest, Playwright, Vercel.
- Full-Stack Developer (Freelance/Contract)** — Tropical Poultry Farms — Philippines *Jun 2026 – Present*
- Building Tropical Poultry Farms (POIAS), a custom ERP-style workspace for a Philippine broiler production company.
 - Developed modules tracking purchases, sales, expenses, and payments with gain as the core metric.
 - Built a drag-and-drop document designer with e-signatures and tiered approvals, plus a production module computing daily yield and P&L.

- Implemented database-level role security using Supabase Row Level Security (RLS).

Stack: Next.js 16 (App Router) + React 19, Tailwind CSS, Zustand, Supabase (Postgres, Auth, Storage, RLS), Recharts, Vercel.

Software Developer Intern (OJT) — Piveran Venture

2025

- Contributed to process enhancement initiatives for the company's existing internal systems.
- Analyzed current workflows and implemented improvements to increase system efficiency.
- Collaborated directly with the development team to deliver changes to production.

FEATURED PROJECTS

R Allys Chauffeurs (2026) — [Live](#)

- Premium chauffeur/limousine/airport-transfer booking platform for Australia — "Uber for luxury chauffeurs." End-to-end ride-hailing system built with a team: two Flutter apps (passenger + driver) plus an admin web console on one shared serverless backend.

Stack: Flutter (Melos, Riverpod), Firebase (Cloud Functions, Firestore, Realtime DB, Auth, Storage, FCM), Next.js 15 + Tailwind, Stripe, Twilio, Resend, Google Maps Platform.

Tropical Poultry Farms (2026) — [Live](#)

- Custom ERP-style workspace for a Philippine broiler production company: tracks purchases, sales, expenses, and payments with gain as the core metric. Includes a drag-and-drop document designer with e-signatures/tiered approvals and a production module for daily yield and P&L.

Stack: Next.js 16 (App Router) + React 19, Tailwind CSS, Zustand, Supabase (Postgres, Auth, Storage, RLS), Recharts, Vercel.

SomSkool (2026) — [Live](#)

- Internal back-office system for an online education business, built around manual mobile money payments. Public registration and screenshot-based payment proof feed a staff approval queue that activates memberships, with role-based CEO / Operations / Customer Service dashboards, complaints and call-activity tracking, PDF/Excel/CSV reports, class scheduling across timezones, and a full audit trail.

Stack: Next.js 16 (App Router) + React 19, TypeScript, Prisma + PostgreSQL (Supabase), Supabase Storage, Tailwind v4 + shadcn/ui, Zod, PDFKit, ExcelJS, Vercel.

Served Water (2026) — [Live](#)

- Cinematic single-page site built around a real-time WebGL water bottle; motion, 3D, and typography choreographed to scroll, with a graceful non-WebGL fallback.

Stack: React + TypeScript, Three.js (React Three Fiber + Drei), GSAP, Lenis, Zustand, Vite, Vercel.

Rally AI (2026) — [Live](#)

- AI-powered stock analyst for the Pakistan Stock Exchange that turns raw market data into plain-English insight for first-time investors. Ships as a web app and an Expo mobile app on one Node.js API, with Claude-powered chat rendering live data as charts and comparison tables.

Stack: React, Expo / React Native, Node.js / Express, Supabase, Claude API.

Smart Outlet Monitoring System (2025) — [Live](#)

- Undergraduate thesis (BS Computer Engineering): full-stack, web-based IoT power monitoring system with real-time data visualization, overload detection, a Django dashboard, and an integrated AI chatbot assistant. Awarded 3rd Best Paper Presenter for Smart Facility (Technology & Engineering) at the 2026 International Student Research Congress.

Stack: ESP32, PIC16F88, Python, Django, Daphne, WebSocket, PostgreSQL, Google Sheets API.

lowquality Chocolate (2026)

- AI-generated luxury product advertisement created through prompt engineering and cinematic storytelling: consistent product images (ChatGPT image generation) transformed into a promotional video (Kling AI).

AWARDS

- **3rd Best Paper Presenter, Smart Facility (Technology & Engineering)** — 2026 International Student Research Congress (ISRC), Jose Rizal Memorial State University, Dapitan City. Paper: "IoT-Enabled Smart Outlet Breaker with AI-Assisted Dashboard for Socket-Level Control and Load Monitoring."

CERTIFICATIONS

- AI Fundamentals — IBM SkillsBuild (via Cisco Networking Academy / DICT-ITU DTC), Dec 2025
- Introduction to IoT and Digital Transformation — Cisco Networking Academy / DICT-ITU DTC, Dec 2025
- Introduction to Cybersecurity — Cisco Networking Academy / DICT-ITU DTC, Dec 2025

- Cyber Threat Management — Cisco Networking Academy / DICT-ITU DTC, Dec 2025
- Establishing & Operating Micro-Small Medium Enterprises (MSMEs) — TESDA Online Program, Dec 2025

EDUCATION

Bachelor of Science in Computer Engineering — 2026

Jose Rizal Memorial State University (JRMSU) — Main Campus, Dapitan City