CHRISTIAN ANGELO UMALI

LEAD SOFTWARE ENGINEER & SENIOR AI ENGINEER

Independent consultant · 9+ years shipping production software across AU, NZ, SG, US, CA & PH · English, Filipino

angelo@theangeloumali.com | +63-917-702-2995 | linkedin.com/in/theangeloumali | github.com/theangeloumali |

theangeloumali.com | Manila, Philippines | Remote | AU/NZ/SG working-day overlap, US Pacific mornings

SUMMARY

Lead software engineer and senior AI engineer, 9+ years on production software. Mostly Next.js, React and Vite with TypeScript now, plus agentic work: a real-time multilingual voice platform on WebRTC, and agents that act through constrained tool surfaces so their work can be audited. Mobile as well: six React Native apps on the App Store and Google Play for Glassons, RedRat and Hallensteins, and a white-label platform serving 1,000+ merchants at ~300,000 monthly end users. Independent consultant through ZKidz Dev LLC since 2020; own architecture and delivery on 15+ production systems for clients in six countries. Currently AI consultant to an enterprise fintech and IT software company.

SELECTED IMPACT

- Built **PropApp**, an Australian property marketplace that reached **4,300+ registered buyers** and **3,600+ buying requests** in six months. A shorter sign-up took buyers asking for a mortgage broker from **11% to 55%** within a day; agent enquiries grew **8x**, from 367 to 3,031 a month
- Scaled a white-label commerce platform to **300+ branded storefronts** and **~300,000 monthly end users** for 1,000+ merchants over a four-year engagement. Drove **23% user growth**, cut support tickets **30%**, halved build time
- Shipped a production real-time voice AI platform with **deterministic language switching across 7 languages**
- **Lead and train engineers.** Led code review and refactoring practice on a mobile team, and a cross-functional team of five over parallel client engagements

SKILLS

Frontend: React 19, Next.js 16, TypeScript, JavaScript, Vite, Astro, Tailwind CSS, shadcn/ui, TanStack Query

AI & Agentic: Anthropic Claude, Model Context Protocol (MCP), Multi-Agent Orchestration, Agent Tool Surfaces, Structured Output (Zod), Vercel AI SDK, OpenAI API, Google Gemini, Pipecat (real-time voice), WebRTC, Inngest

Backend: Node.js, NestJS, Express, FastAPI, Python, GraphQL (Relay, AppSync), REST, Drizzle ORM

Cloud & Data: PostgreSQL, Row Level Security, Supabase, Firebase, Firestore, Google Cloud (GCP), AWS Lambda, AWS Amplify, Vercel, Edge Functions

Mobile: React Native, Expo, Flutter, iOS, Android, EAS Build, Fastlane, Bitrise

DevOps & Testing: GitHub Actions, Docker, Fastlane, EAS Build, TurboRepo, Sentry, Jest, Detox, Maestro, Playwright

Methodologies: System Design, Technical Leadership, Monorepo Architecture, Multi-tenant Architecture, TDD, Agile, Scrum

EXPERIENCE

ZKidz Dev LLC Lead Software Engineer & Senior AI Engineer (independent consultant) · Jul 2020 – Present

AI Consultant — Enterprise Fintech · Apr 2026 – Present

- Run the AI Enablement Program for an enterprise fintech and IT software company across eight IT teams; introduced pull requests, code review and end-to-end testing with video. One team's three-agent crew built a data vault in 12 working days (58 entities, ~1,680 tests)

Lead Software Engineer & Senior AI Engineer · Jan 2025 – Present

- Sole engagement since January 2025. Own architecture, delivery and release engineering for clients in six countries and stay the lead implementer. Take fractional CTO work where a client wants technology ownership, not one build
- PropApp (AU) · propapp.com.au. Built and run the off-market property marketplace on web and both app stores. Supabase is pinned to Sydney for Australian data residency, and a TurboRepo pairs Astro marketing sites with the Next.js app, plus EAS over-the-air updates. Results are under Selected impact
- ClassJet. Class-management SaaS for schools, building toward launch. Built its AI assistant and an MCP server that works with ChatGPT and Claude, with per-school tool permissions and data kept separate per school. Raised the assistant's score on a 90-scenario test set from 13 to 68+, then moved it from Opus to Sonnet to hold cost at scale

- My Business Coach. Joined an in-flight production voice AI platform for a Singapore-based startup. Split WebRTC audio latency out of application logic, and made language selection deterministic instead of model-inferred over seven languages (Flutter, FastAPI, Pipecat)
- Brokerverse (AU) and Agency Partner Hub. White-label multi-tenant SaaS for mortgage brokers (per-brokerage subdomains, custom theming, loan dashboards, compliance tracking), plus a partner control plane with Stripe Connect commission payouts
- ClearSpent and CrownOS. An AI finance platform whose agent reads and writes user data through a constrained tool surface, not free text, which keeps results auditable. Also a multi-tenant clinic SaaS where PostgreSQL row-level security lets tenants share one application connection pool instead of per-tenant pools

Lead Software Engineer Jul 2020 – Jan 2025

- Run alongside full-time roles in Sydney and Auckland. Sole architect and technical owner across 15+ client systems in e-commerce, real estate, sports tech and print-on-demand
- Taply (CA). Architected the white-label React Native commerce platform behind 300+ branded Shopify storefronts and ~300,000 monthly end users. A dynamic theming engine and an automated Fastlane pipeline halved build time
- Owned CI/CD pipelines (Fastlane, Bitrise, EAS) on every client project and cut release cycles 50–80%. Built end-to-end Stripe payment and subscription systems. Earlier work includes Urban.com.au (AU), where image-caching optimisation cut load times 40%

Blackpepper Senior Software Engineer | Auckland, New Zealand · Aug 2022 – Dec 2024

- Cut release cycles from 10 days to 4 (60% faster) on six production React Native commerce apps for Glassons, RedRat and Hallensteins. Replaced a manual process with Fastlane and GitHub Actions, and moved code signing off a single developer machine
- Led code review, refactoring and best-practice adoption on the mobile engineering team; enforced review standards raised code quality
- Built and maintained the apps against GraphQL and REST APIs on AWS Lambda. Scoped and shipped features end to end with design, product and backend

Adaca / StationFive Senior Software Engineer | Sydney, Australia · Aug 2020 – Aug 2022

- Delivered seven production products (four mobile, three web) in React and React Native. One was ShoreTrade, a real-time B2B fishery marketplace where trading data had to stay correct under concurrent bidding. Owned Android and iOS CI/CD on all seven and cut mobile bundle size 35% with code-splitting and tree-shaking

Trends and Technologies Inc. Software Engineer & Lead Developer | Makati, Philippines · May 2017 – Sep 2020

- Led a cross-functional team of five (2 frontend, 2 backend, 1 QA) over parallel client engagements and delivered 7+ production projects in React and TypeScript. Built REST APIs on Node.js and Express with authentication and role-based access control, set up the team's code review and release workflows, and mentored junior developers

PROJECTS

realestateprojects.au · realestateprojects.au

Next.js, NestJS, Expo, React, Vite, Supabase, GraphQL, Drizzle ORM, OpenAI, Stripe, Fastlane

- Five interconnected products against one domain model: a public site server-rendered for SEO with an OpenAI assistant, a React + Vite agency portal with Stripe subscriptions and CRM, and separate Expo apps for buyers and agents over a NestJS API. Shared auth, types and CI keep five surfaces from drifting into five codebases.

PICkle Book · pickle-book.com · ongoing retainer

React Native, Expo, Next.js, Supabase, Stripe, Drizzle ORM, TanStack Query, shadcn/ui

- Photo book platform spanning a mobile app and a web admin. The app handles 50 concurrent image uploads across 50-page layouts; print-ready PDF assembly runs server-side on Supabase Edge Functions, which keeps memory pressure off mobile at that volume. Stripe payments, plus an admin for orders, credits and the PDF pipeline.

FTBLRLife · United States

React Native, Expo, Firebase, Fastlane, Bitrise

- Sports social and video platform with real-time messaging, video playback and push notifications, on both app stores. Three-year engagement as sole engineer; owned the release pipeline end to end, signing through crash monitoring.

EDUCATION

Bachelor of Information Technology — Centro Escolar University · 2013 – 2017