Kalana Kavinda

Full-Stack Engineer · UI/UX Designer · Founder, Web Celestia Studio

Sri Lanka (remote) · Portfolio: kalanakavinda.com

Languages: English, Sinhala

Summary

Full-stack engineer and UI/UX designer with 2.5+ years of professional experience building SaaS and marketplace platforms for Australian and international clients. Works remotely for an Australian company. Consistently builds multi-tenant platforms on Next.js and Supabase with strict TypeScript, RLS-first security, and Zod validation. Design-dev hybrid who also leads architecture and coordinates other developers.

Experience

Full-Stack Engineer & UI/UX Designer, Australian company (remote)

- Led architecture and implementation of a unified portal providing SSO across three independently developed Next.js tools (Project Management, CRM, SMM) on a shared Supabase project with `pm`, `crm`, `smm` schemas; cross-subdomain cookie sharing, `@supabase/ssr` auth middleware, schema-guard CI, typed database types, and verified RLS isolation. Live as **Bizyep** (bizyep.com.au).
- Proposed a unified product architecture (contracts, portfolio, client portal, booking, live chat, email automation on one shared database) to replace six disconnected tools.
- Project lead/coordinator for a React Native developer on 7deals.
- Critiqued a technical spec for a multi-channel RAG-based AI assistant SaaS, identifying gaps in tenant cost metering, security, hallucination accountability, and phase scoping.
- Audited bizyep.com.au (broken legal links, branding inconsistencies, missing product screenshots).

Founder, Web Celestia Studio

- Agency and freelance work for Australian and international clients, spanning web, SaaS, and mobile.
- Delivered an SEO/AEO/GEO/LLMO implementation guide (Australian market) and business strategy analysis for Macro Property Services.
- Produced a branded proposal document (legal clauses, watermark) for the What's On / 9Gens Group booking system.

Projects

BizValid (formerly ServiceRoof) — Multi-tenant Australian service marketplace SaaS (Airtasker competitor). Next.js 15, Supabase, Cloudinary. Personal and Business users (paid subscription), Facebook-style public feed with login wall, Service Feed with map pins, in-app messaging with quotes, admin dashboard with KPI analytics and dispute management, moderator-run blog, SMM add-on.

7deals — Australian deals/coupons marketplace. Four roles (consumer, merchant, moderator, admin), merchant approval flow with Brevo email, event-sourced engagement tracking with deduplication, admin theme studio (JSONB style tokens). Turborepo monorepo, three Vercel deployments (web, admin, payments), Supabase.

LoanTrack — Loan management SaaS for a private multi-branch moneylender. Next.js 14, Neon PostgreSQL, Drizzle ORM, NextAuth.js v5, shadcn/ui. Interest-only bullet loans with indefinite accrual, three-tier roles with 14 granular permissions, branch-scoped isolation, PDF export, Vercel cron, SWR caching, plus a separate Fixed Installment Loan system.

Macro Property Services employee app — React Native mobile app scaffold (Turborepo, Expo Router, TypeScript, TanStack Query, NativeWind, Zustand) with attendance geofencing, checklists, and Firestore live chat. Also planning a 3D immersive website with an AI-generated animated video (Higgsfield AI).

What's On booking system (9Gens Group) — Headless multi-tenant booking service for a WordPress client: Next.js + Supabase, embeddable widget, multi-tenant by `organisation_id`; mobile app scoped with React Native + Expo.

Student Education Platform — Students, moderators, and admins; Gemini API quiz generation; 16-table Supabase schema with RLS, triggers, and RPC functions validated on Postgres 16; unlimited quiz retakes with cooldown; global and school-specific content.

Interactive 3D Melbourne Map — Mapbox GL JS 3D map with Three.js custom layer for AI-generated landmark models (Draco-compressed GLB), GSAP fly-in camera animations; optimised for low RAM/GPU usage.

AI Support Chatbot & Ticketing System *(planned)* — 24/7 chatbot answering from site content, escalation to tickets, Brevo email notifications, admin panel with live chat continuation; built for own site first, then resale.

The Freebies — Community freecycling marketplace with Supabase Realtime chat. **OzMarket** — classified ads marketplace architecture.

Portfolio website (kalanakavinda.com) — Next.js 15 App Router, TypeScript, Tailwind, shadcn/ui, Framer Motion, GSAP + Lenis scroll animations; deployed on Vercel with Cloudflare DNS.

Skills

Frontend: Next.js (14/15, App Router), React, TypeScript, Tailwind CSS, shadcn/ui, Framer Motion, GSAP, Lenis, SWR, TanStack Query, Zustand

Mobile: React Native, Expo Router, NativeWind

Backend & Data: Supabase (Auth, RLS, Realtime, RPC), PostgreSQL (Neon), Drizzle ORM, NextAuth.js, Firestore, Zod

3D & Media: Mapbox GL JS, Three.js, AI text-to-3D, Higgsfield AI

Infra & Tooling: Turborepo, Vercel, Cloudflare, GitHub CI, Cloudinary, Brevo, Claude Code

Design: UI/UX design, design systems, design-dev hybrid workflows

Other: SEO/AEO/GEO/LLMO, multi-tenant architecture, technical proposals and specs

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Education

BSc (Hons) Software Engineering — Cardiff Metropolitan University (in progress)

Coursework includes Advanced Programming (CIS6003: Java appointment and patient management system with UML, web services, design patterns, testing, and Git/CI-CD), Professional Practice and Ethics (AI-assisted development accountability, biometric technology, deontological ethics).

Interests

Photography and video aesthetics (dark, moody, minimal-motion), consumer tech, freelance client acquisition, and a buying and selling business as a secondary income stream.