



CONTACT

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Portfolio · wilson.666website.com

Live product · kpai.666website.com

SKILL LEVEL

Five bars = very strong, daily use in production.

React / Next.js	■■■■■
TypeScript	■■■■■
PostgreSQL / Supabase	■■■■■
Node.js / Python	■■■■■
C# / ASP.NET Core	■■■■■
Stripe / FPX payments	■■■■■
Playwright / Vitest	■■■■■
DevOps / hosting	■■■■■
WordPress / SEO	■■■■■
AI APIs (Anthropic, Deepgram)	■■■■■

STACK

Front end · React 18, Next.js, TypeScript, Redux Toolkit, Tailwind, Electron, SwiftUI

Back end & data · Node.js, Python, C# / ASP.NET Core, EF Core, Supabase (Postgres, RLS), Firebase, SQL

APIs · Stripe, FPX, Resend, Deepgram, Anthropic, Telegram Bot

Testing & DevOps · Playwright, Vitest, Lighthouse · Vercel, Railway, Render, Hostinger, GitHub

Web & tooling · WordPress, GA4, SEO · Claude Code, Cursor, Xcode

Chan Weng Soon (Wilson)

FULL STACK DEVELOPER

SUMMARY

Full stack developer shipping web products end to end since 2021: React / Next.js front ends, PostgreSQL back ends with row-level security, authentication, Stripe and FPX billing, three-language i18n and automated test suites. Sole developer of one live SaaS product, one B2B platform in private beta with real users, and an internal operations platform used daily at a 200-person contractor.

Eighteen years in construction contracts and quantity surveying alongside, where every transactional record (claims, certificates, retention, variations) must be correct. The same discipline drives how I design ledgers, audit trails and state transitions in software. Currently building in C# / ASP.NET Core and React + Redux.

SELECTED PRODUCTS

all designed, built and operated by me · ring = build progress



100%

LIVE

Key Plan Ai (KPAi)

Live SaaS · kpai.666website.com

Construction progress tracking: upload drawings, mark areas, colour progress, share one dashboard.

- Next.js + Supabase (Singapore) with row-level security on every table, signed-URL file access and a full audit log of progress changes.
- Python drawing-processing service on Railway: PDF / JPG / PNG / DXF, multi-page PDF split, AI title-block extraction with human confirmation.
- Stripe live billing with 14-day card-required trial, FPX for annual plans, transactional email via Resend.
- Interface, emails and PDF / Excel reports in English, Simplified Chinese and Bahasa Malaysia: 1,100+ i18n keys × 3 languages.
- 260+ automated tests, Playwright suites against the live site; iPad-landscape and desktop layouts; Owner / Editor / Viewer roles.



80%

BETA

TenderKaki

B2B SaaS, private beta · app.tenderkaki.com

AI-assisted tender costing for interior fit-out contractors, used by invited companies to price real tenders.

- Next.js (App Router), React, Tailwind, Supabase (Postgres, RLS), Vercel, Stripe, Resend, Anthropic API, ExcelJS.
- Imports historical tender Excels into a private per-company price library; extracts BQ items from Excel / PDF (including scanned) and drawings, every AI suggestion human-confirmed; live cost-vs-submission margin engine; Excel export with working formulas.
- Company-level data isolation, full audit trail of AI suggestion vs confirmed value, bilingual English / Chinese UI.
- 2,000+ unit test cases and 600+ RLS policy test cases.



100%

IN USE

ECO Operations Hub

Internal platform · sole developer

Four apps replacing spreadsheets for a 200-staff Malaysian fit-out contractor.

- Claims & cash-flow monitor; inventory with cost tracking, QR codes and custom roles; outstanding-payment tracker with WhatsApp and management-format PDF export; sub-contractor payment log with external-user access.
- React 18 + Vite, Firebase Auth / Firestore / Hosting, Recharts, Tailwind, Vitest; role-based access and admin panel; Excel / CSV importer with a five-sheet template.

EDUCATION

BSc (Hons) Building Contract Management

Liverpool John Moores University
· 2008

Advanced Diploma in Technology (Building)

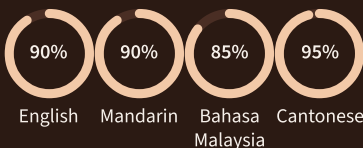
Tunku Abdul Rahman College · 2008

Diploma in Technology (Quantity Surveying)

Tunku Abdul Rahman College · 2006

Software engineering is self-taught, evidenced by the shipped products.

LANGUAGES



Mandarin includes Simplified Chinese writing.

SMALLER BUILDS

Kuromi

Telegram → Apple Calendar assistant on a Mac Mini. Python + Anthropic API, strict JSON contract for calendar writes, per-call cost tracking.

Wilson's Monthly Expenses

Offline iOS app. Swift, SwiftUI, SwiftData, Swift Charts, local notifications.

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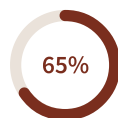
Hand-coded bilingual studio site, 17 pages, React via CDN, i18n store. Lighthouse 99 / 100 / 100 / 100, structured data and hreflang; includes a Three.js 3D molecule viewer.

WordPress client sites

Seven live commercial sites delivered and maintained since 2021 across property, construction, interior design, stone supply, education and travel; bilingual builds; recovered a deleted site from 63 SQL backups. Full list on the portfolio site.

IN DEVELOPMENT

ring = build progress



MeetRojak

app.meetrojak.com

Meeting recordings → minutes and tracked action items for Malaysian offices (English, Malay, Mandarin, Cantonese code-switching).

- Four-stage pipeline: Deepgram Nova-3 transcription with diarization → Claude clean-up → structured extraction with tool use (guaranteed JSON) → review pass. Drafter-reviewer design chosen after evaluation.
- Next.js on Vercel, Render backend, Supabase, Stripe + FPX.



Sportsbook simulator

Public demo · GitHub repo, deployed live

React + Redux Toolkit / ASP.NET Core Web API / EF Core / PostgreSQL: live odds via SignalR, bet slip with stake limits and single / multi bets, double-entry wallet ledger, idempotent bet placement, settlement on match result, exposure-per-match dashboard.



HappyFren

macOS desktop app

AI desktop companion: frame-by-frame Canvas sprite animation, LLM chat with memory, RPG-style progression, local JSON persistence. Electron, Node.js, HTML5 Canvas.



rixAI

Web app

AI cost-risk analysis of Bills of Quantities: missing items, wrong rates, uncaptured variations.

EXPERIENCE

Slash AI

Singapore (Remote) · 2024 – present

Software Developer

- Software development for the team at slashai.tech.

Morpheus Consulting Pte Ltd

Singapore (Remote) · 2022 – 2024

Freelance Software Developer

- Freelance development on the company's React, C# and iOS applications.

666 Website Services / 666 Design & Build

Kuala Lumpur · 2021 – present

Founder & Full Stack Developer

- Design, build, deploy and operate the products above; own hosting, DNS, billing, email and support.
- Client website design and maintenance: WordPress + Elementor initially, hand-coded React / Next.js since.

ECO Interiors International Sdn Bhd

Kuala Lumpur · 2019 – 2022

Contract Manager

- Built and run the ECO Operations Hub as sole developer; used daily by management and team leads for claims, payments and inventory.
- Contract administration and QS coordination across multiple live hotel and resort fit-out projects: progress claims, payment certificates, retention, variations, sub-contractor payments, bank guarantees, formal correspondence.

PLM Interiors Sdn Bhd

Kuala Lumpur · 2011 – 2019

Contract Manager

- Post-contract administration on interior fit-out projects up to RM15 million: procurement, progress and sub-contractor claims, variation orders, BQ / drawing discrepancy control, client negotiation.

Sinar Widuri Sdn Bhd

2008 – 2011

Head of QS Team

- Led the QS team through pre- and post-contract stages on institutional and government building projects up to RM13.6 million.