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Product engineer and technical founder, building software since 2016, today in TypeScript, React and Next.js. Takes products from zero to one across healthtech, AI platforms, commerce and booking. Shapes the problem, ships it and sets it up to be measured, then owns it from the database to the last pixel. AI writes first drafts under written conventions. The data model, money paths and auth get checked by hand.

Since 2016 building software · 13 products zero to one · 22 cohorts taught and sponsored

— Experience

Future of Cities

Mar 2026 – Jun 2026

Fractional CTO · contract, remote

- Unified ten legacy databases across five business entities into one Prisma and Supabase data layer: 200+ models, row-level security on 150+ tables, migrated without downtime.
- Shipped five production apps in six weeks in one Turborepo monorepo, sharing one database, one login and one design system.
- Built the CRM core in four days when scope grew, and delivered the booking and membership platform to a fixed event deadline, with payments on both Stripe and Square.
- Reversed the initial central-API design mid-engagement in favour of per-app API layers over a shared data core, to limit the blast radius of AI-assisted contributors.
- Wrote the conventions, SOPs and machine-readable docs that let the team keep extending the platform through Claude Code without engineering staff.

Next.js · TypeScript · Turborepo · Prisma · Supabase · PostgreSQL · Stripe · Square

Conscious Connections

2026 – present

Founder, engineer, designer · own product

- Built a coaching tool for couples solo, with an AI coach that translates each partner's side of a conflict. In beta ahead of launch.
- Designed a compress-then-reason pipeline (Haiku distills, Sonnet coaches) and a parallel classifier for intimate-partner-violence signals.
- Enforced privacy with deny-by-default row-level security on every table and a context loader per AI touchpoint.
- Runs the build with thirty-plus role-prompted AI agents held to specs and append-only decision logs. Every migration is read by hand, ninety-one so far.

Next.js · TypeScript · tRPC · Drizzle · Supabase · Claude API · Stripe

Pine Studio (Everbook)

Aug 2024 – Oct 2025

Senior software engineer, founding engineer · full-time, remote

- Took an AI voice interview that becomes a press-ready hardcover from greenfield to production in six months, then led a relaunch.
- Wired the browser straight to OpenAI's Realtime API over WebRTC, so the server never touches the audio.
- Built a pagination engine that measures typeset content against true print dimensions, down to the word.
- Held over 99% production stability, and wrote the conventions, API standards and review process as engineers joined.

Next.js · TypeScript · Prisma · PostgreSQL · OpenAI Realtime · Stripe · Puppeteer
Role ended in a company-wide layoff in October 2025.

Agora Art

Jan 2021 – Mar 2026

Technical founder (CEO, CTO) · self-employed

- Built three versions over five years, each a fresh codebase: a marketplace with Stripe Connect, TaxJar and shipping, a subscription artist directory, then a cross-marketplace discovery engine.
- Wrote about 95% of the first version while directing a team of up to twelve across product, design and marketing.
- Built LLM enrichment of an untrusted catalogue into a 674-tag taxonomy, feeding a Keras recommender retrained hourly.
- Directed BCIT cohorts, an SFU co-op and an intern. Backlogged the product in March 2026, when the numbers didn't work.

Next.js · TypeScript · GraphQL · PostgreSQL · pgvector · Elasticsearch · TensorFlow/Keras · OpenAI

— Earlier experience

Pathfinder Studios

May 2023 – Dec 2023

Senior frontend engineer, Roomvy · then tech pilot and business development

- Built the entire participant-facing booking client for Roomvy solo, on the agency's stack and conventions: map discovery, a multi-room group checkout editing a live draft reservation over Apollo GraphQL, and card holds.
- Shipped with zero issues reported in production, with self-managed QA as the only release gate.

Next.js · TypeScript · React · Tailwind CSS · Apollo GraphQL · Valtio

QxMD (Calculate)

Apr 2019 – Dec 2021

Frontend software engineer · a WebMD/Medscape company

- Owned the ground-up React and Next.js rebuild of the clinical calculators physicians use at the point of care. Shipped first inside Medscape, then on qxmd.com.
- Zero bugs reported from launch to the end of tenure. Unit and integration tests cover all calculation logic, plus Cypress end to end, because a calculation bug is a wrong number in front of a physician.
- Replaced Medscape's expiring third-party calculator licensing with an owned product. Paid a discretionary bonus on delivery.

React · Next.js · TypeScript · Redux · styled-components · Cypress

The Chart Guys

Dec 2017 – Dec 2018

Software developer, UX designer

- Sole developer, wireframe to launch: a live crypto-alert dashboard and candlestick charts over websockets, for 1,000+ paying users.

React · Redux · Sass · Material-UI · Rails API

FYBR Inc.

Nov 2016 – Oct 2017

Software developer · first development job

- Sole developer at a forestry startup, owning architecture and interface for drone-imagery analytics on Mapbox GL.

JavaScript · Mapbox GL · Rails · Sass

— Skills

Product engineering	TypeScript, React, Next.js, Node.js, tRPC, TanStack Query, Zustand, Zod, Tailwind CSS, shadcn/ui, Cypress
Data and backend	PostgreSQL, Supabase, Prisma, Drizzle ORM, GraphQL, Stripe, Resend, Sanity, Vercel, Turborepo
AI engineering	Claude API, OpenAI API and Realtime API, Claude Code, Cursor, multi-agent workflows under conventions
Design and leadership	Interface design, Paper, schema and code standards, code review, Linear, leading junior teams

— Teaching and sponsoring programs

Student teams on real projects through Agora: scoping, ERD and wireframe reviews, sprints, code review. Up to four teams at once.

BCIT ISSP Industry Sponsored Student Projects, senior developer and project lead	14 cohorts
Venture for Canada intrapreneurship program	4 cohorts
FLUI Design Hackathon Emily Carr University of Art + Design, sponsoring client	2 cohorts
SFU co-op and virtual intern co-op student, virtual intern	2 cohorts

— Selected design and websites

Coded site and brand kit for Kryshan Randel (kryshanrandel.com). Brand kits for Agora, Conscious Connections and tayloraucoin.com.

— Education

Lighthouse Labs Web Development bootcamp	2016	BrainStation UX Design	2017
RED Academy Digital Marketing Foundations	2019	League of Innovators (LOI) Founder, Batch 11 LOI Labs	2023
UBCO Kinesiology	2012 – 2013	UNBC Biomedical	2010 – 2012

“Taylor is a phenomenal engineer. During his time at Pine Studio, he took rough concepts and turned them into full products.”
Dawson Whitfield, Co-founder of Looka · Founder, Everbook