Daniel Nelson

Full-Stack Developer · AI-Accelerated Delivery

Web & mobile products, automation & integrations, from MVP to mature systems

Johannesburg, South Africa · Right to work in South Africa and the UK (British passport)
danielmnelson111@gmail.com · +27 82 725 6502
linkedin.com/in/daniel-nelson-dev · github.com/Dannyn111

SUMMARY

Full-stack developer who owns products end to end and ships them: multiple production platforms delivered largely solo, from the first requirements conversation through to production. I keep tight ownership of the architecture, the hard technical calls and the quality, and use AI-accelerated workflows to build fast. My core stack is TypeScript with React, Next.js and Angular on Supabase/Postgres, with production experience across data engineering (ETL, pipelines) and cross-platform mobile. A Mathematical Sciences background in computer science and operations research shapes how I work: what gets built, and in what order, matters as much as how it gets built.

CORE SKILLS

Languages & frameworks: TypeScript, JavaScript, SQL, HTML/CSS, React, Next.js, Angular, Node.js

Data & backend: PostgreSQL, Supabase (row-level security, migrations, RPCs), ETL / data pipelines, REST APIs, Deno edge functions, payments & subscriptions (Stripe, Paystack, RevenueCat), AWS, Cloudflare

AI-accelerated delivery: Directing coding agents, multi-agent workflows, MCP servers, reusable skill libraries, prompt & agent design

Engineering practice: End-to-end delivery ownership, client discovery & scoping, technical proposals, structured inception (PRD, clickable demo, build plan), UI/UX collaboration, Git, CI/CD, cloud deployment

Also: Python, Java, C# (foundational); Flutter, FlutterFlow (cross-platform mobile)

EXPERIENCE

One Eleven, Software delivery agency · Johannesburg
Full-Stack Developer · Jan 2024 – present · Full-time, hybrid

- First full-time engineer and longest-serving developer; helped shape how the team delivers, not just what it delivers, as it grew from the two founders to a full team.
- Own client engagements end to end, running inception with clients to turn ideas into PRDs, clickable demos and week-by-week build plans, then building and maintaining production systems.
- Work in an AI-accelerated model, owning scope, architecture and quality, and shipped Skill Vault, Daybook and Courselet largely single-handedly.
- Deliver for both direct clients and clients brought in via One Eleven's partner Velocity Labs, acting as the development team behind those engagements.
- Core stack TypeScript with React, Next.js and Angular on Supabase/Postgres; REST APIs, edge functions, integrations, CI/CD and cloud deployment.

Freelance Developer · Sep 2023 – Dec 2023

- FlutterFlow application development for One Eleven, freelance work that led directly to a full-time role.
- Basic data and reporting work in Excel for Optimize Financial Services (Opfinserv).

SELECTED PROJECTS

Daybook: personal AI task & project manager [direct client] · *Lead developer & client lead (~92% of commits)*
Primary developer and client contact for a founder's "work OS": it ingests notes, files, WhatsApp, Fathom call summaries, calendars and Outlook, proposes tasks via AI, and the client triages them onto a kanban/list board. Built the schema, row-level security and ~120 RPCs, an MCP OAuth server and tools, the Outlook/calendar pollers and Fathom webhook, and most of the product surface. Owned agent QA (catching a spec divergence that automated tests missed) and ran a live handover in which the non-technical client merged his own change to production via Claude Code, behind guardrails that keep agents out of production data.
React 19 · Next.js 16 · TypeScript · Cloudflare Workers · Supabase/Postgres (~40 tables, 88 migrations) · Claude / MCP · Vitest/Playwright/pgTAP

Skill Vault: AI skills-library & governance platform [internal product] · *Sole developer (~95%, 207/218 commits)*
A governed, multi-tenant SaaS where organisations and teams author, version, review and distribute reusable AI "skills", served to agents at runtime through an MCP server (38 tools) and a REST API. Built essentially solo by directing coding agents: designed and shipped identity and org/team roles, skills and multi-file versioning, a contribution-and-review workflow, an OAuth 2.1 server with MFA and dynamic client registration for MCP clients, consumption analytics and audit, all on Postgres row-level security (24 tables).
Angular 22 · TypeScript · Supabase/Postgres · Deno edge functions · MCP + REST · Cloudflare Pages · GitHub Actions

Marjin AI: hospitality data & insights platform [London; via Velocity partnership] · *Core engineer · 11-month build · client-facing*
One of the core engineers on an 11-month, 336-commit build of an analytics platform for restaurant groups: POS/delivery ingestion feeding an LLM assistant ("Maître") that answers questions over sales, COGS and targets. Owned the COGS editor and its edge tooling, fixed costs, the revenue-targets engine and its evaluation cron, the Deliverect/Zonal ingestion and canonical order refresh, and the cost/target tools the assistant calls. Worked directly with the client throughout.
Angular 20 · Supabase/Postgres · Deno edge (~37 functions) · Google Cloud · Vertex/Anthropic · Square/Deliverect/Zonal

Costblok: construction cost-management SaaS [Cape Town; direct client] · *Head developer & client lead*
Head developer and direct client contact for a subscription tool that moves quantity surveyors off spreadsheets. Built the financial engine, feasibility returns (IRR, NPV, cashflow) across seven currencies, plus Paystack subscription billing and invoicing, and generated bank-ready PDF reports. Authored ~97% of the current React rebuild. The core challenge was total accuracy: the product's credibility rests entirely on its numbers.
React 19 (rebuild) · FlutterFlow (original) · Supabase/Postgres · Deno edge · Paystack · PDF generation

Courselet: card-based micro-course builder [internal product] · *Lead developer (~94%, whole MVP)*
Built essentially the entire MVP solo (PRs #1–57) and took it from idea to a working, scalable app in five days using an AI-accelerated flow, directing multiple coding agents while owning scope, architecture and quality. Creators author content and quiz cards and publish an immutable snapshot; anonymous mobile learners consume it. The same flow was then pointed at live client work.
Next.js 15 · React 19 · TypeScript · Supabase · Cloudflare Workers

*Also contributed production features to **Big Rider** (UK equine team-management: complex permissions + clinical records; FlutterFlow), **Aqua Protrack** (multi-tenant water-quality dashboard: CSV ingestion pipeline, alerting and charts; Angular), and **BOCO** (SA coaching marketplace: booking/calendar backend; Angular).*

EDUCATION

BSc Mathematical Sciences, Stellenbosch University · 2019 – 2022
Majors: Computer Science and Operations Research.

Bishops Diocesan College, Matric · 2018

CERTIFICATIONS

Claude Certified Developer – Foundations, Anthropic · Issued Sep 2026, valid to Sep 2027
Verify: credly.com/badges/dd5c7278-20cc-46d1-b8e2-0207aab46bc1

ADDITIONAL

- **Achievements:** Academic scholarship to Bishops Diocesan College; First-team hockey captain and leadership colours.