

ALLEN PADILLA

Full-Stack Developer | From Requirements to Production

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PROFESSIONAL SUMMARY

Full-stack developer with six years of experience designing, building, deploying, and supporting production software as the sole developer for two Winnipeg organizations. Own application architecture end to end: requirements gathering with directors and frontline staff, system design, secure implementation, testing, containerized deployment, and ongoing support. Built a Laravel and React member-management platform with Azure AD single sign-on, role-based access mapped from directory groups, and an OAuth2 API integration. Use AI coding agents daily to accelerate delivery while enforcing automated checks and human code review on every change. Strongest where product understanding and technical execution overlap: taking an application from the first requirements conversation through architecture, implementation, deployment, and long-term support.

CORE SKILLS

Back End: PHP, Laravel (8–13), Node.js, RESTful and OAuth2 API design, PostgreSQL, MySQL, Strapi (headless CMS), Convex, Supabase

Front End: React 19, Inertia.js, Next.js 16, SvelteKit, React Native / Expo, TypeScript, JavaScript, Tailwind, service workers / offline-first design

Identity & Security: Azure AD (Entra ID) SSO, OIDC / OAuth2, directory-group role mapping, custom role and permission layers, secure-by-design practices, firewall hardening, audit trails

DevOps & Infrastructure: Docker, Docker Compose, Coolify, nginx reverse proxy, VPS administration, CI validation, Git

AI-Assisted Development: Claude Code and agentic workflows for codebase investigation, implementation planning, refactoring, test generation, and documentation, with acceptance criteria and human review as guardrails

Delivery: Requirements gathering, application architecture, project management, code review, technical documentation, stakeholder communication, production support

PROFESSIONAL EXPERIENCE

Web Developer — Manitoba Métis Federation

June 2022 – Present | Winnipeg, MB

Sole developer for the Information Technology Department, with full ownership of every internal application from first requirements conversation through architecture, deployment, and ongoing support.

- Designed and built the department's core member management and events platform (Laravel 13, Inertia, React 19, PostgreSQL), shipped 2024, now the system of record for 2,000+ members, their regional locals, and every event the department runs: change-alert tracking, event creation and registration, guest management, and on-site check-in via barcode scanning.
- Integrated Azure AD single sign-on with directory groups mapped to application roles, so access is governed by existing organizational identity rather than a separate user store.
- Built an OAuth2 API that syncs member data to the organization's public website, eliminating duplicate data entry across systems.
- Built and operated the Graduation Ceremony Portal (SvelteKit, Convex), shipped 2025 and used for 150+ graduates across two live ceremonies: barcode-driven gown check-out/check-in with size tracking, plus a second scanning station that pushes each graduate's name and department to the projector in real time as they cross the stage.
- Implemented a service worker for full offline operation so the live event continues uninterrupted if venue connectivity drops.
- Building the public website for the Métis Veterans Legacy Program (Next.js 16, React 19, Strapi 5, TipTap, Tailwind 4): a headless CMS lets program staff publish news, recipient profiles, and commemoration projects without a developer.

- Adopted agentic development workflows for codebase investigation, implementation planning, feature development, refactoring, and troubleshooting; provide project-specific context and acceptance criteria, review proposed approaches, and validate all changes through automated checks and human code review.
- Sole deployment and infrastructure owner: self-hosted Coolify on VPS infrastructure, Docker and Docker Compose for containerized services, nginx reverse proxying, and firewall rules restricting database and internal service access to trusted connections.
- Address enhancements, fixes, and vulnerabilities across all production applications while maintaining stability for staff who depend on them daily.

Contract Full-Stack Developer (Part-Time) — Computers For Schools Manitoba

July 2022 – August 2024 | Winnipeg, MB

- Retained after my staff role to maintain and extend the operations platform I built, shipping new reporting features and dashboard improvements on request while supporting the system in production.

Full-Stack Developer — Computers For Schools Manitoba

August 2020 – June 2022 | Winnipeg, MB

Sole developer of the organization's core operations platform: replaced an aging Microsoft Access database with a single Laravel 8 application that became the system of record for donations, inventory, warehousing, order fulfillment, RMAs, and recycling. It now holds 100,000+ inventory records and thousands of orders and still runs the organization today.

- Designed and built the entire system from scratch: 46 database tables, 41 controllers, and 100+ views spanning ten operational areas, delivered across 471 commits.
- Worked directly with the Executive Director and warehouse, refurbishment, and administrative staff to gather requirements and iterate; each department's workflow was modelled with the people who performed it.
- Implemented asset tracking for donated equipment with custom material attributes, subtypes, stock transfers, and a full history audit trail for chain of custody.
- Delivered order and RMA management with client records, tax and payment handling, order assignment, file attachments, CSV bulk import, and PDF invoice generation via mPDF.
- Wrote a custom role and permission layer from scratch so admins, supervisors, and floor staff each saw only the modules relevant to their work.
- Added quarterly and annual reporting dashboards and an in-app issue reporting tool so staff could flag problems without leaving the system.

IT Service Desk — Royal Canadian Mint

January 2019 – August 2019 | Winnipeg, MB

- Provided help desk support across hardware, software, account access, and peripheral issues, escalating to senior IT where needed; handled decommissioning and e-waste recycling of retired equipment.

SELECTED PERSONAL PROJECT

Canopy — iOS app (in progress, on TestFlight) — Personal

2026

- A local-first private notebook for ideas paired with a public board where an AI and other people score each idea side by side; every released idea carries a verified outcome. Built solo in about a week with Expo, React Native, TypeScript, SQLite, Supabase, and RevenueCat.

EDUCATION & CERTIFICATIONS

Diploma, Business Information Technology — Red River College, 2017 – 2019

Node.js Essential Training — LinkedIn Learning