# William Mazanik

## BACKEND SOFTWARE DEVELOPER | API INTEGRATIONS

Innisfil, Ontario | williammazanik@gmail.com
williammazanik.com | LinkedIn | GitHub

I build TypeScript and PostgreSQL systems that handle data migrations, multi-tenant access and external API workflows. My work includes accounting integrations, subscription billing and resumable data pipelines.

## PROFESSIONAL EXPERIENCE

**Software Developer & IT Specialist** | Techno Metal Post dealer operations | Aug 2025 – Present

- Built and deployed Dealer OS, a TypeScript, Hono and PostgreSQL application for helical pile dealers to manage quotes, crew schedules, inventory and invoices.
- Enforced PostgreSQL tenant isolation with row-level security and regression tests in a 2,900+ test suite.
- Integrated QuickBooks Online and Gmail via OAuth 2.0, built a rate-limited vendor API integration, and developed Daylite migration workflows for approximately 3,000 jobs and 3,200 contacts.
- Used approval gates, durable idempotency keys and reconciliation to reduce duplicate emails and invoices during retries.

**Full-Stack Web Developer** | Arkwell Agency | Feb 2024 – Jul 2025

- Turned client concepts and feedback into responsive WordPress sites, building Elementor layouts and custom features in JavaScript and PHP.
- Tested front-end and back-end changes across browsers and mobile devices, resolving layout and plugin compatibility issues.
- Optimized asset delivery on client sites and updated on-page SEO metadata using Yoast.

## TECHNICAL SKILLS

**Languages & APIs:** TypeScript, JavaScript, Node.js, SQL, Python, Hono, REST APIs
**Databases:** PostgreSQL, row-level security (RLS), SQLite, Drizzle ORM, Cloudflare D1
**Integrations & delivery:** OAuth 2.0, Stripe, QuickBooks Online, Gmail API, GitHub Actions, webhooks

## SELECTED PROJECTS

**AnimeHalo** | Live ranked catalog

- Built resumable imports for four providers. Cut raw startup catalog data 98% (221 MB to 4.3 MB) with on-demand loading.

**Jemparo** | Founder, pre-launch

- Resolved PostgreSQL lock contention between login-code issuance and reminders while preserving per-workspace rate limits.
- Built shared Stripe webhook verification and idempotent event handling for four pre-launch contractor products.

**Kingdom 2914** | kd2914.com

- Built an edge-rendered public site and private admin portal on Cloudflare Workers, D1 and R2 with Cloudflare Access, Clerk, role-based permissions and audit logs.

## EDUCATION

**Bachelor of Science, Computer Science** | Trent University | Dec 2023