William Mazanik

BACKEND SOFTWARE DEVELOPER | API INTEGRATIONS

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williammazanik.com | LinkedIn | AnimeHalo live catalog

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 | Aug 2025 – Present

- Built and deployed Dealer OS for one construction dealer using TypeScript, Hono and PostgreSQL to support quoting, dispatch, inventory and billing.
- Implemented PostgreSQL row-level security with signed tenant context and wrote cross-tenant access regression tests.
- 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

- Built and maintained responsive client websites with WordPress and Elementor, using JavaScript and PHP for custom functionality.
- Ran cross-browser and mobile checks and used Yoast to audit and improve on-page SEO for client sites.

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, Docker

SELECTED PROJECTS

Jemparo | Founder, pre-launch

- Diagnosed and fixed PostgreSQL lock contention between a FOR UPDATE query and a foreign-key check that stalled an affected tenant.
- Built subscription billing for a subcontractor operations platform with signed Stripe webhooks, idempotent event processing and CI migration dry runs.

AnimeHalo | Live ranked catalog

- Built resumable, rate-limited catalog imports from AniList GraphQL, Wikidata, TMDB and TVmaze on Cloudflare and D1. Split the startup catalog into on-demand chunks.

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