William Mazanik

FULL-STACK SOFTWARE DEVELOPER

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williammazanik.com | LinkedIn | AnimeHalo live catalog

I build TypeScript applications, from dealer operations software with accounting integrations to a live anime discovery platform. My work spans React interfaces, PostgreSQL backends and data ingestion.

PROFESSIONAL EXPERIENCE

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

- Built and deployed Dealer OS for one construction dealer. The TypeScript, React, Hono and PostgreSQL app supports quoting, crew dispatch, inventory, billing and handover documents.
- 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.
- Added approval steps, 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

Frontend: TypeScript, JavaScript, React, Next.js, HTML/CSS

Backend & data: Node.js, Hono, REST APIs, PostgreSQL, SQLite, Cloudflare D1

Delivery & integrations: Cloudflare, GitHub Actions, automated testing, OAuth 2.0, Stripe

SELECTED PROJECTS

AnimeHalo | Live ranked catalog

- Built a live discovery and ranking platform covering more than 17,000 anime titles, with resumable imports from AniList GraphQL, Wikidata, TMDB and TVmaze on Cloudflare and D1.
- Split the catalog into chunks that load on demand, reducing how much data the app needs at startup.

Jemparo | Founder, pre-launch

- Built subcontractor onboarding and document workflows with shared Next.js components for authentication, Stripe billing and PDF generation.

Sakuga Studio | Local Media & ML Tooling

- Built a browser video editor with a timeline, WebGL2 compositing, WebCodecs export and beat detection in a Web Worker.

EDUCATION

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