William Mazanik

FULL-STACK SOFTWARE DEVELOPER

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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 operations | Aug 2025 – Present

- Built and deployed Dealer OS, a React and TypeScript platform for helical pile dealers to quote jobs, dispatch crews, manage inventory and issue invoices and handover documents.
- 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.
- 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

- 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

Frontend: TypeScript, JavaScript, React, Next.js, HTML/CSS
Backend & data: Node.js, Hono, REST APIs, PostgreSQL, SQLite, Cloudflare D1
Delivery & integrations: GitHub Actions, automated testing, OAuth 2.0, QuickBooks Online, Stripe webhooks

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.
- Cut uncompressed startup catalog data 98%, from 221 MB to 4.3 MB, by loading title details on demand.

Jemparo | Founder, pre-launch

- Built four Next.js products for delivery readiness, equipment intake, repair closeout and equipment cost analysis, with shared authentication, billing and data access.

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