Ethan Moore

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EDUCATION

University of Washington   Tacoma, WA
B.S. Computer Science   *2021 – 2025*

PROJECTS

Custom Game Platform Ecosystem — Go, Wails, SvelteKit, SQLite   2023 – 2025
- Built a multi-service platform for a private game environment including authentication-service, launcher, patching pipeline, account portal, and file-integrity verification.
- Developed an authentication-service (Go) using my reusable central-auth toolkit (Argon2id hashing, JWT access tokens, rotating refresh tokens, pluggable SQLite/Postgres stores).
- Created a desktop launcher (Wails) with login flow, manifest verification, secure patch orchestration, and launch gating.
- Implemented a SHA-256 manifest pipeline through a Go-based file-integrity-service for tamper detection and missing-file reporting.
- Built player-portal and community-hub (SvelteKit) for store UI, forum features, and account management, each consuming centralized auth.
- Designed unified cross-subdomain session flow for browser + launcher clients.
- Engineered versioned manifest structure enabling efficient differential patching for client updates.
- Deployed entire system on a single VPS with optimized resource usage.

Service Watch — Go + Svelte   2024
- Windows service monitoring utility with embedded dashboard, crash recovery, and automation.
- Tracked uptime, CPU/memory usage, restarts, exit codes, and crash events.
- Implemented automated restarts with cooldowns and retry logic.
- Built Svelte UI served directly from Go; added system tray integration for quick controls.

PageShelf — SvelteKit, TypeScript, SQLite   2024 – 2025
- Self-hosted manga/comic reader with mobile-first responsive UI and local metadata caching.
- Implemented metadata extraction, library scanning, and cover caching backed by SQLite.
- Built a responsive reading experience with preloading, navigation shortcuts, and progress tracking.

EXPERIENCE

Crew Member — Taco Time NW   Fircrest, WA
                                                                                               2021 – 2025

- Managed daily produce and prep; maintained consistency, freshness, and quality across all shifts.
- Trained new employees on prep workflows, safety standards, and quality control.
- Supported line operations during lunch rushes and high-volume periods.
- Authored a training guide outlining best practices and workflows for produce prep, improving consistency for new hires.
- Successfully balanced a demanding work schedule with full-time Computer Science studies, demonstrating discipline, reliability, and strong time management.

TECHNICAL SKILLS

Languages: Go, TypeScript, JavaScript, Python, SQL
Frameworks: SvelteKit, Wails, Tailwind
Tools: Docker, Git, Kubernetes, Linux, SQLite, PostgreSQL