

Evan Luebbert - Software Engineer

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EDUCATION

Colorado State University - Fort Collins, CO | B.S. in Computer Science, Minor in Mathematics | 2017 - 2023

Fractal Tech - Brooklyn, NY | Full-Stack Web Development & Software Engineering AI Accelerator | 2025

EXPERIENCE

Val - Full-Stack Engineer (Contract) | Mar 2026 - Jun 2026

- Shipped features and production fixes across a multi-tenant recovery and wellness platform for rehabilitation treatment facilities, available on the web and on mobile through **Capacitor**.
- Served as the sole front-end engineer, owning the recovery dashboard, journaling, daily reflections, announcements, and alumni-to-coach calling features using **React, TypeScript, Next.js, and TanStack Query**.
- Designed and built an AA/NA meeting finder, aggregating 5,500+ meetings from 19 regional sources through **Supabase Edge Functions** and a layered caching pipeline.
- Resolved front-end performance and **Postgres Row-Level Security** defects across an **AWS-hosted** multi-tenant healthcare data model and established **Playwright** regression testing in **GitLab CI** against containerized **Supabase** environment with reusable seeding and credential tooling.
- Evaluated clinical data models for **FHIR** compatibility to support **Medplum** integration and interoperability.

Fosty - Founder & Full-Stack Engineer | 2025 - Present

- Designed and engineered a foster coordination platform for animal shelters and rescues to manage animal records, foster assignments, and communication, replacing fragmented spreadsheets and message threads with a unified system. Built in partnership with Colorado Kitty Coalition and tailored to customer operational needs.
- Architected a full-stack web application using **React, TypeScript, Vite, React Query, React Router, and Supabase (Postgres, Auth, Realtime, Storage)**, with role-based workflows, animal lifecycle management, foster request pipelines, and real-time messaging with context tagging to reduce care delays and improve handoffs.
- Implemented production-grade data integrity and security patterns, including multi-organization permissioning with Row-Level Security, role-gated routing, storage access controls, assignment conflict safeguards, and transactional RPC workflows, transforming rescue coordination into secure, reliable, and auditable operations.
- Drove a UX development process by conducting contextual, protocol-based usability reviews with Colorado Kitty Coalition and senior UX leadership advisors, turning feedback into workflow and UI improvements that reduced friction and improved discoverability, affordance, task speed, and clarity across platform workflows.

Inheritance - Machine Learning & Motion Capture Engineering Intern | 2025

- Built a **Python and Blender** motion retargeting pipeline to map AMASS motion capture data onto Inheritance's standardized SMPL-H skeleton for machine learning training in Unreal Engine.
- Accelerated data generation by 3 months, leveraging 65+ hours / 11,000+ animations of motion capture data and saving \$70K in equivalent motion-capture costs.
- Produced standardized GLB datasets by resolving armature normalization, alignment, and motion fidelity issues.

PROJECTS

Crux Vision - Full-Stack Engineer | 2025 - Present

- Designed and built a local-first computer-vision tool that transforms climbing footage into interactive technique analysis through on-device pose estimation, visual overlays, and custom playback controls.
- Engineered progressive on-device pose analysis with timestamp-synced rendering and confidence-aware filtering using **React, TypeScript, MediaPipe, Canvas 2D, MediaBunny, and Web Workers**.

SKILLS

- **Programming Languages:** TypeScript, Java, Python, C++, C#, SQL, JavaScript
- **Frameworks & Libraries:** React, TanStack Query, React Router, Node.js, Tailwind CSS, Next.js, Capacitor
- **Backend & Cloud Tools:** AWS, Supabase, PostgreSQL, Realtime Subscriptions, Azure, Docker, CI/CD Pipelines
- **System Design & Architecture:** API design, Multi-tenant Architecture, Caching, Authentication & Authorization
- **Testing & Automation:** Playwright, Jest, JUnit, Postman, Automated Workflows