

# Alex Whalen

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## PROFESSIONAL SUMMARY

Software Developer with a strong focus on **full-stack web and mobile development**. Experienced in building and managing **production-grade applications**, developing and consuming **RESTful APIs**, and **optimizing data flows** to deliver **scalable, maintainable solutions**. Hands-on experience as both a **team lead** and **product designer**, with a proven track record of delivering **reliable, intuitive systems** used by **thousands of customers**.

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## EDUCATION

**GetBuilding** | *Full Stack Software Engineering*

September 2023 - September 2024

**Memorial University of Newfoundland** | *B.S. in Biology, Minor in Psychology*

September 2017 - May 2023

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## EXPERIENCE

**Enterprise Software Team Lead** | *Nutraforge Technologies* - St. John's, NL

October 2024 – November 2025

- **Led development of NutraForge PRO**, an **enterprise facing dashboard** providing insights on meal logs and compliance scores for nutrition professionals. Currently serving **25+ health practitioners** with a **total of over 300 B2B clients** since launch in August 2025.
  - **Implemented Auth0** with **role-based organization flows**, supporting **per-seat billing** and **secure B2B onboarding**.
  - **Designed and implemented core backend systems** using **clean architecture principles**, increasing enterprise adoption by building **Stripe billing pipelines**, **role-based organization relationships**, **user and health profile collections**.
  - **Reduced latency by 50%** on our enterprise application by performing several **data flow optimizations** improving **retention rate by 75%**.
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## PROJECTS

**Kaboodle** | *Flutter, Firebase, Hono, Typescript, Neon, Drizzle ORM, PostHog, Zod, Apple store, Google play*

- Created a **mobile app** that delivers **customized packing suggestions** based on user travel preferences, with features to **save**, **interactively pack**, and **share lists** for a more engaging experience.
- Implemented a **freemium model** using a **feature-flag system** limiting free-tier users to limited lists and features.

**Random Bracket Daily** | *React, NextJs, Tailwind, Hono, Typescript, Neon, Redis, Drizzle ORM, Zod, Tanstack, Zustand*

- Built a **daily “March Madness” style game** that **automatically resets every 24 hours** via a **cron job**, selecting from a **1,000+ item dataset**, **stores and visualizes results** for community engagement with a **feature-flag system** for dynamic item control on the backend.
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## SKILLS

**Coding Languages:** JavaScript, TypeScript, Dart

**Frameworks & Libraries:** React, Next.js, Flutter, TailwindCSS, Node, Deno, Hono, Express, TanStack, Zustand, Zod, Drizzle ORM

**Databases & Backend:** PostgreSQL, MongoDB, Firebase, Supabase, Neon, Redis

**Cloud & Auth:** Google Cloud, AWS, Auth0, Stripe, Vercel

**Tools:** Git, Postman, Bruno, Figma, PostHog, Spline (3D design/animation)