# BRETT YATES

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**Principal/Staff Software Engineer ● Full-Stack & Mobile ● Regulated Health & Payments ● AI in Production**

Hands-on engineer with 15+ years as the person who designs and builds the system. Most recently founding engineer through CTO of a HIPAA-regulated health platform: I wrote the first versions of the patient and provider apps, the practice portal, and the AWS infrastructure, then set the technical direction as the platform scaled to 70,000+ patients. Earlier, cofounder and CTO of a Techstars-backed payments platform that reached $2.5M+ in monthly volume. I lead through architecture, code, and code review, and I'm strongest on hard, end-to-end problems: mobile and web clients, serverless back ends, payments, PHI security, and AI features with human-review guardrails.

## EXPERIENCE

**One4Yes** 2026 – Present

*Founder / Fractional CTO* *San Diego, CA*

*Technology studio building AI-native products and advising early-stage teams on architecture through deployment.*

- Took three AI-native apps from concept to live on iOS and Google Play (33,000+ combined downloads): voice-enabled retrieval-augmented search, computer vision valuation, and procedurally generated puzzles with an AI artwork pipeline (100,000+ games played).
- Own each product end to end: mobile clients, back-end services, subscription billing across in-app and web purchases (RevenueCat, Stripe), and app-store releases.
- Run an agentic engineering practice across concurrent codebases with explicit guardrails: an automated verification pass after every agent change, and a reviewer agent that checks each diff against its implementation plan.

**myHealthTrack** 2020 – 2026

*Chief Technology Officer* *San Diego, CA (Remote)*

*Orthopedic recovery platform built with surgeons as an alternative to in-person physical therapy, regulated as Software as a Medical Device. Joined as VP Engineering and sole engineer, promoted to CTO in 2021.*

- Built the first versions of the full product suite: React Native patient and provider apps, provider portal, web application, internal CMS, and CI/CD pipeline. The platform grew from zero to 70,000+ patients.
- Architected and operated the entire AWS environment: serverless infrastructure serving 1M+ API requests a month at 99.9% uptime. Cut infrastructure costs 40% through a Lambda migration and database optimization.
- Designed a custom encrypted PHI/PII data vault covering the full patient base, led the platform through a full HIPAA compliance audit, and completed a SOC 2 readiness assessment.
- Shipped AI-assisted triage that assessed patient-reported severity so urgent cases reached a clinician faster; anything uncertain defaulted to human review. Scoped functionality, including the triage boundaries, to stay within FDA enforcement discretion (confirmed via 513(g) request).
- Built the per-practice portal surgeons used to monitor patients and bill for remote monitoring, with eligibility and reimbursement rules shaping the product and data design.
- Hired and led a small, fully remote engineering team: set the architecture, code review standards, deployment practices, and agentic development workflows they worked under.

**CharityWatch** 2014 – 2021

*Fractional CTO* *Chicago, IL (Remote)*

- Sole technology lead for a national charity watchdog across a seven-year engagement, held concurrently with the roles below. Modernized legacy infrastructure and put automated deployment and monitoring in place where there had been none.
- Built the secure online donation payment system, then hardened it against sustained real-world attack attempts to keep donor payment data protected.

**Red Foundry** 2018 – 2020
*Senior Technical Consultant* *Chicago, IL (Remote)*

- Architected ecommerce platforms for manufacturing and travel clients processing $5M+ in annual transactions, and led the assessment and refactoring of legacy mobile apps.

**Vail Systems** 2017
*Senior Product Manager* *Chicago, IL*

- Took a new API product from concept to market in five months with a cross-functional team of 8, and built its back-end management interface.

**Babylon Technology Services** 2012 – 2017
*Senior Software Engineer* *Chicago, IL*

- Led development of the ticketing platform for the PGA Tour's BMW Championship: $10M+ in sales, 40,000+ orders, 500,000+ scanned tickets. Built a real-time inventory system handling 50,000+ concurrent users at peak.
- Built platforms across financial services, including PCI-compliant payment processing and Evolution Collect, a debt-collections platform. Led the migration from monolith to microservices.

**RentMonitor** 2010 – 2016
*Cofounder & Chief Technology Officer* *Boulder, CO*

- Built the full product (tenant portal, landlord dashboard, and PCI-DSS compliant payments infrastructure) for a SaaS rental-payments platform that scaled to $2.5M+ in monthly ACH and card volume across 5,000+ properties. Techstars Boulder graduate.

## SKILLS

**Languages & frameworks:** TypeScript/JavaScript, React, React Native, PHP/Laravel, PHPUnit, Pest, SQL (PostgreSQL, MySQL), Redis, REST APIs, Python (working knowledge)

**Architecture:** serverless architecture, monolith-to-microservices migration, real-time inventory at high concurrency, multi-sided platforms (patient, provider, and practice apps), privacy-first data design

**Cloud & delivery:** AWS (Lambda, API Gateway, RDS, S3), Docker, CI/CD pipelines built from scratch, GitHub, Cloudflare, app-store release management

**Payments & billing:** ACH and card processing (PCI-compliant), subscription billing (Stripe, RevenueCat), ecommerce, collections

**AI:** classification with human review, retrieval-augmented generation (RAG), computer vision, generative content pipelines, agentic development with verification and review guardrails (Claude Code, Codex, OpenClaw)

**Security & compliance:** HIPAA (full audit), encrypted PHI/PII handling, SOC 2 readiness, PCI-compliant payments, Software as a Medical Device (FDA enforcement discretion)

**Technical leadership:** architecture direction, code review standards, mentoring, hiring, remote team collaboration

## EDUCATION

**Texas Christian University** — B.A., Management Information Systems