

Colin FitzGerald

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Product engineer building AI tools for clinicians. Helped build Air, Commure's AI-native EHR, from 0 to 1, then built the backend for Air Scribe, an ambient AI scribe for physical therapy. Now leading features end-to-end with product as Air Scribe scales.

EXPERIENCE

Commure, *Senior Software Engineer, Air Scribe*

Jul 2025 – Present · Los Angeles, CA

- Leading development of **configurable carry-forward**, allowing clinics to choose which sections of a prior visit's note pre-fill the next, reducing repeat documentation.
- Led **Air Scribe Orders** from scoping to launch: defined requirements with the PM, authored the technical design and premortem, and shipped behind a kill switch with a staged rollout.
- Shipped **configurable data retention**, giving clinics control over how long scribe data is kept, with role-based access controls; load-tested ahead of launch to validate performance at production scale.
- Own production incidents end-to-end, from root-cause analysis and staged fixes to customer communication, followed by systemic fixes to prevent recurrence.

Commure, *Software Engineer, Air EHR and Air Scribe*

Jan 2024 – Jul 2025 · Mountain View, CA

- Core engineer on **Air**, Commure's AI-native EHR (ambient scribing, charting, billing), from the 0-to-1 build through its July 2025 launch and growth to **\$10M+ ARR**.
- Built the **Air Scribe** backend service from scratch; migrating from multi-threading to async I/O made note processing **3x faster**, shortening turnaround for clinicians.
- Diagnosed and resolved a company-wide container memory bug, reducing cold starts from **over 4 minutes to under 10 seconds** and lowering cloud spend.

RoBhat Labs (acquired by Commure), *Full-Stack Engineer*

Jun 2022 – Jan 2024 · Berkeley, CA

- Designed and built content-ranking infrastructure, increasing **D1 retention by 7%** and aggregate notification engagement **5x**.
- Built a semantic search application for internal operators, reducing manual work by 25%.
- Managed a team of 10 content operators, leading weekly reviews of quality and throughput.

CoreVest Finance, *Data Science Intern*

May 2021 – Aug 2021 · Irvine, CA

- Built an OCR-based ETL pipeline over 1,000+ PDF loan applications and led an intern team in training a random forest model on it to assist underwriters.

PROJECTS

- **MyLogbook** (mylogbook.run): AI training coach for runners and cyclists; designed, built, and launched solo, now in beta.
 - Adaptive training engine that re-plans as activities sync from Strava and Garmin, accounting for missed sessions, cross-training, and recovery data, and explains the reasoning behind each workout.
 - Stack: TypeScript (Hono, React, Drizzle), PostgreSQL with row-level security, Python services for Garmin sync and FIT-file parsing.
- **Daybook** (daybook.fitzgeraldmedia.org): photo and video journal that preserves full-resolution originals, with a feed for sharing with friends and family.
 - Images load in ~150 ms from Cloudflare's CDN: uploads go directly to R2 via presigned URLs, and edge image resizing serves a 3.3 MB JPEG as a ~12 KB AVIF; a Cloudflare Worker signs video URLs per viewer.
 - Durable video pipeline transcodes 4K, 10-bit, and HDR footage on serverless GPUs while preserving HDR color. Stack: Go, Next.js, PostgreSQL, Cloudflare (R2, CDN, Workers).
- **Personal Finance Dashboard**: aggregates bank, credit card, brokerage, and crypto accounts (Teller, SnapTrade, Binance) into spend, income, and net-worth analytics.
 - Tiered transaction categorization, cheapest first: learned rules, pgvector merchant similarity, then an LLM on an SQS-driven AWS Lambda worker; user corrections become new rules, lowering cost and improving accuracy over time.
 - Stack: async FastAPI, PostgreSQL with pgvector, React; structured logs traced end-to-end with a correlation ID per sync.

SKILLS

Languages: Python, TypeScript/JavaScript, SQL · **Frontend:** React, Next.js, TanStack

Backend & Data: FastAPI, asyncio, SQLAlchemy, Pydantic, Node.js, PostgreSQL, MySQL

Infrastructure: GCP (GKE, Cloud Run), Terraform, Kubernetes, Docker, GitHub Actions, AWS

EDUCATION

University of California, Berkeley, *B.A. in Economics, Minor in Data Science*

2018 – 2022

Track and Field team captain; led the team through PAC-12 Championships while training 25+ hours per week.