

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 · Mountain View, CA

- Leading development of configurable carry-forward, allowing clinics and individual providers to control which sections of a prior visit's note pre-fill the next, reducing documentation burden.
- Led Air Scribe Orders from scoping to launch: the scribe detects orders clinicians discuss during the visit conversation and drafts them for review, cutting manual order entry. Defined requirements with the PM, authored the technical design and pre-mortem, and shipped behind a kill switch with a staged rollout.
- Made visit recording durable across the web app and the React Native mobile app, so clinicians never lose a session's audio: built offline recording on mobile that keeps capturing when the network drops and syncs once connectivity returns, and tuned MediaRecorder settings (codec, bitrate, chunking) per platform.
- Own reliability of Air Scribe's Cloud Run services as clinic volume scaled: slimmed the audio-processing service's Docker image and cut cold-start latency so new instances absorb traffic spikes without slowing notes. Run production incidents end-to-end, from root cause and staged fixes to customer communication, then ship systemic fixes so they don't recur.

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 from scratch: the pipeline that turns visit audio into a structured physical therapy note through LLM-based transcription and note generation. Moving from multi-threading to async I/O made note processing 3x faster.
- 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.

- Safety harness for training: fuses Strava and Garmin activities, recovery data, and LLM-parsed logs into one view of training load, re-planning around missed sessions and fatigue so athletes progress without overreaching.
- TypeScript API (Hono, React, Drizzle) on Postgres with row-level security, plus Python services for Garmin sync and multi-GB export parsing, run as retried QStash jobs off the request path.

Daybook (daybook.fitzgeraldmedia.org): photo and video journal that preserves full-resolution originals, with a feed for sharing with friends and family.

- Edge-first media: direct-to-R2 uploads and Cloudflare CDN resizing serve a 3.3 MB JPEG as a ~12 KB AVIF in ~150 ms; a Worker signs video URLs per viewer.
- Social graph in Postgres: follow edges feed a single connections view that gates the feed, post visibility, and notifications, with keyset pagination for stable pages.
- GPU video pipeline transcodes 4K HDR footage without losing color. Stack: Go, Next.js, PostgreSQL, Cloudflare.

SKILLS

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

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

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

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.