

CHRISTIAN TANNAHILL
Full-Stack Software Engineer
[Email](#) | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

SUMMARY

Full-stack engineer with ~3 years building production software and a year shipping large, data-heavy platforms solo. I design and deploy end-to-end systems, AWS serverless pipelines, normalized Postgres + DynamoDB models, and fast Next.js/React frontends. Recent work includes TrendDev (20+ Lambda job-market analytics + resume AI) and LegisTrack (federal tracking with ultra-low-cost LLM summaries).

TECHNICAL SKILLS

Languages: TypeScript, Python, C#, SQL

Frontend: React, Next.js, Vite, Tailwind, TanStack Query, Zustand / Redux, Recharts

Backend/Cloud: AWS (Lambda, API Gateway, S3, EventBridge, Cognito, SAM, CDK), FastAPI, Node.js, Prisma

Datastores: Postgres (Supabase / Neon), DynamoDB, MSSQL

DevOps & Tools: Docker, Git, GitHub Actions, GitLab CI, Bash, Linux (Ubuntu)

PROFESSIONAL EXPERIENCE

Programmer

AnswerNet - Remote

Nov 2022 - Apr 2024

- Built and maintained .NET ETL pipelines processing **multi-thousand lead records daily across 46 campaigns**, automating SFTP ingestion + validation to cut manual ops by ~70%.
- Designed and supported internal + partner-facing APIs, including legacy integration layers, improving delivery reliability and reducing turnaround for new campaigns.
- Added record-level safe-fail + alerting and partnered with campaign managers to ship fixes on aggressive timelines, reducing batch downtime by ~40%.

INDEPENDENT SOFTWARE ENGINEERING (DEPLOYED PLATFORMS)

Apr 2024 - Present

TrendDev - AI-Powered Job Market Analytics Platform - [GitHub](#) | [Live Site](#)

- Architected a **multi-service AWS serverless platform (20+ Lambdas, 5 API Gateways, Cognito auth, 10+ DynamoDB tables + Neon/Postgres)** powering daily ingestion and analytics of tech job postings.
- Built an event-driven ingestion pipeline with Lambda + EventBridge + S3 + DynamoDB that processes **thousands of postings/day**, normalizes skills (~7k unique technologies), and generates trend + salary analytics in near-real time.
- Implemented AI resume insights using Bedrock Nova + custom normalizers to produce role-fit scores, salary anchors, and skill ROI; supports **multi-resume management, presigned uploads, and async processing**.
- Designed and shipped a React/TypeScript/Vite dashboard with reusable component architecture, filtering/search across **500+ high signal technologies**, responsive layouts, and **Vitest unit coverage for critical UI + services**.
- Achieved **95-100 Lighthouse performance scores** across key routes despite data-heavy visualizations.

LegisTrack - U.S. Federal Legislation Tracker - [GitHub](#) | [Live Site](#)

- Built a Next.js 15 + Prisma/Postgres platform that ingests and tracks U.S. bills + executive orders, exposing searchable, categorized legislative timelines.
- Designed a normalized relational schema (bills, actions, sponsors, votes, companion bills, categories) and optimized indexes/queries for fast filtering on large datasets.
- Implemented automated ingestion + summarization workflows (Ingest → AWS Lambda migration) with retries/DLQ patterns and strict rate-limit handling.
- Integrated multi-provider LLM summarization (Claude, OpenRouter, OpenAI) with caching + model adapters, producing plain-English summaries at **sub-cent cost per bill**.
- Deployed to Vercel with monitoring scripts and regression checks for data completeness and search stability.

ADDITIONAL PROJECTS: PylImageConvr (deployed Next.js + FastAPI product), Schematic (npm OpenAPI→TS generator w/ plugin system), Code-Evo (AI repo analyzer), Farm (scaffolding CLI + docs).

SELECTED PROJECTS & CAPSTONE

Carte - Food Ordering & Analytics Platform (Capstone MVP)

Sabio Full Stack Bootcamp · Aug 2022 - Nov 2022

- Built a .NET + React food-ordering MVP with SQL stored-proc analytics and Stripe checkout.

CERTIFICATIONS

Full Stack Software Development Bootcamp - Sabio

Los Angeles, CA · July 2022 - Nov 2022

Completed 530+ hours of intensive training in ReactJS, .NET, SQL, and modern web development practices. Mentored peers and contributed to business-critical projects during the program.