






ZACHARY KRASNER

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Summary

Software engineer and technical leader with 10 years of experience architecting data platforms, backend systems, and AI-powered products. Built and scaled engineering teams, led an M&A process, and shipped products from 0 to 1 that drive measurable business outcomes. Hands-on across the stack, with recent focus on agentic systems and LLM tool use. Driven by curiosity, a deep sense of ownership, and a desire to work alongside sharp people on hard problems.

Experience

Grassroots Analytics

Data analytics platform for political campaigns and nonprofits

Washington, DC

Aug 2022 – Present

Chief Technology Officer

- Grew engineering team from 0 to 14 and drove company revenue from \$5M to \$30M+ ARR by removing the technical bottlenecks constraining sales and delivery capacity.
- Architected and led development of a full-stack donor data platform spanning multiple systems and 40M+ donor profiles:
 - Moosehead: internal analyst querying platform reducing data retrieval from 15+ minutes to under 30 seconds, with improved security, repeatability, and result quality.
 - Algo: processes hundreds of millions of donation records applying regression analysis to generate hundreds of unique datapoints and categorizations per donor profile.
 - Click Collective: ingests and processes billions of email exhaust events across hundreds of clients to predict future donor interactions.
 - Apical: SaaS platform unifying fragmented campaign and nonprofit data toolsets and overlaying proprietary analytics.
- Led technical due diligence and integration feasibility assessment for the acquisition of Quiller, an AI-powered fundraising platform; participated in strategic business decisions throughout the deal process.
- Established a culture of engineering excellence by implementing robust testing and CI/CD pipelines, rolling out AI-assisted development tooling (Copilot -> Claude Code) across engineers and analysts, and achieving SOC 2 Type 1 certification.

Board Member

Technical Advisor

Jan 2021 – Jan 2023

Bridgewater Associates

World's largest hedge fund; \$150B+ AUM during my tenure

New York, NY

Sep 2020 – Aug 2022

Senior Software Developer

- Partnered with quantitative analysts to implement 10-year tactical and long-term assumption sets into the portfolio construction platform, translating complex Excel-based financial models into production Scala code.
- Led extraction of a monolithic permission system into a unified Kafka/Flink microservice, consolidating access control across multiple related client-facing platforms.
- Built and maintained a real-time portfolio construction platform used by client managers globally, instrumental in securing billions in AUM from institutional investors including endowments, pensions, and sovereign wealth funds.

Software Developer

Sep 2018 – Sep 2020

- Built CI/CD infrastructure for a team of ~15 engineers using Jenkins, implementing automated unit, end-to-end, load and performance test pipelines with results reported back to Bitbucket.
- Worked with the infrastructure team to enable ephemeral cloud workspaces for QA, dramatically reducing environment setup friction and accelerating release cycles.

Technology Associate

Portfolio Construction Platform, Client Service

Sep 2016 – Sep 2018

Projects

Kalshi Market Maker: Production automated trading system for the Kalshi prediction market exchange; modular architecture with Redis Streams, TimescaleDB, and a strategy-driven execution engine with pluggable order placement and trade behavior.

ApplesandbananAI: Shipped family platform using the Anthropic API with tool use for structured data updates and multi-tenant chat history across caregivers.

ClassCraft: Agentic pilates class design tool with DB-backed exercise retrieval and heuristic enforcement for flow, timing, and sequencing.

Cadence: WIP multi-agent scheduling system coordinating fitness, nutrition, task, goals and calendar agents via Google Calendar API.

Education

University of Pennsylvania

B.S. in Engineering, Computer and Information Sciences

Philadelphia, PA

2012 – 2016

Skills

Leadership: Team building, technical strategy, founding engineer 0 to 1 experience

Languages & Frameworks: Python, Django, FastAPI, SQL, Scala, JavaScript, Typescript, React, NextJs, Vue

AI & LLMs: Claude Code, Copilot, Anthropic API, Azure OpenAI Service, LLM tool use, agentic systems

Infrastructure & Cloud: GCP, AWS, Airflow, Terraform, Jenkins, Docker

Data & Databases: BigQuery, Cloud Storage, PostgreSQL, data ingestion pipelines, ETL

Interests

Fatherhood: Navigating the chaos and joy of first-time parenthood with my son Graham, born in 2025

Travel: Road tripped around the US for a year leading up to our wedding, seeing 37 states and 13 national parks

Hiking: Grew up in the mountains of Vermont and always looking for new mountains to climb

Reading: Lifelong sci-fi and fantasy reader, from the classics (Dune, Foundation, Hyperion) to modern series (Red Rising, The Cosmere, Dungeon Crawler Carl)