

Zack Prager



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Profile

Full-Stack Dev | AI Engineering | Loves Zero-to-One Roadmaps

I specialize in taking products and features from concept to revenue. With 10+ years of full-stack experience, I bring deep empathy for users, a comfort with uncertainty, and a strong bias toward action.

Recently, I've been building AI-driven systems using LangChain, LangGraph, OpenAI Agent SDK, custom evals, and vector databases — applied at ShotCaller.ai to analyze financial media accuracy, at Food Revolution to boost content engagement through intelligent automation, and in collaboration with an NYU Stern research lab to build AI co-pilots for readers. As a Forward Deployed Engineer, I've embedded with clients including Gopher Media, managing 10,000+ physician digital presences, and Attunement.ai (YC-backed), building automated clinical neuropsych reports.

Work experience

06/2025 – present

Full Stack Developer (contract) Motorola Solutions

Brought on as an early engineer for an internal startup initiative.

- Led requirements discovery and aligned cross-functional teams to ensure project success
- Built a secure first-responder application using Vue, Node.js, and DynamoDB with multi-layer authentication
- Utilized Cusor, Codex and other modern AI context engineering to accelerate development.

01/2022 – present

AI Engineer & Co-founder ShotCaller.ai

An AI-driven journalism platform backed by Fragment Media (fastest growing Inc 5000) bringing transparency and accountability to the crypto influencer space.

- Constructed end-to-end systems using **MySQL, Node.js, React, LLM Models, and Python** to process and analyze crypto predictions.
- Analyzed over 1,00,000+ social media forecasts, ranking influencers by ROI and prediction accuracy.
- Developed agents to interpret the latest financial news with **LangChain, LangGraph, Pinecone, OpenAI APIs**.
- Auto-generated Tweets
- Auto-generated infographics for distribution across TikTok, Twitter, YouTube, and Instagram.
- Hosted on AWS EC2, AWS RDS, Vercel

08/2018 – 08/2025
Santa Cruz, United States

Tech Lead Food Revolution

The Food Revolution 500K+ member site that is for health and food information.

- Developed the AI agents for content engagement and search with **Pinecone, Langchain, and Langgraph**
- Developed and implemented the retention engineering strategy
- Tech stack: **React, React Native, Redux, Bootstrap, Node, Sequelize, MySQL, Mocha Chai, Jest, Bitbucket Pipelines, Elastic Beanstalk, AWS Open Search**.

Work experience

06/2015 – 05/2020

Developer & Co-founder Ransomly.com

Ransomly is an app and beacon that creates app-free, distraction-free spaces.

- Landed press in San Francisco Chronicle, The Boston Herald, The San Diego Union Tribune, Brit+Co, LifeHack, Good Day Sacramento, The List, The CW, and more.
- Launched successful Kickstarter
- Built with **Java (Android), Objective-C (Apple) Node.js, Express, MongoDB, Bootstrap, Javascript.**

10/2017 – 05/2020
San Diego, USA

Principal Lecturer - Full-Stack Program UCSD Extension

Primary lecturer in the full-stack developer bootcamp developed by UCSD extension.

- Achieved Net Promoter Score of 79 from 200+ students at UCSD.
- The curriculum included React, **Node, Express, Mongo, MySQL, CSS, Bootstrap, Git, Java, and Heroku.**

01/2016 – 12/2017
San Francisco, USA

Lead Web Developer Emberlight.co

An IOT product that turned any light into a smart light.

- Successful Kickstarter with \$350,000 in orders
- Developed the frontend with React and Objective-C
- Developed the backend with Node, Bookshelf, Postgres, and PubNub to support very low latency updates (e.g., turning on and off of our lights)

A.I. Projects

01/2025 – present
New York, United States

Full-stack AI Engineer, UX Designer NYU Stern Collaboration

A supportive AI companion for understanding the news as you read it—reflecting your reactions, offering emotional clarity, and helping you process it all with empathy, powered by AI.

02/2026 – present

Full Stack AI Engineer Open Claw for Positive Psychology Coaching

Forked Open Claw to build an agent that ingests data across multiple platforms, learns a user's psychological profile, and proactively delivers personalized coaching exercises like mindful breathing.

01/2024 – 03/2025
Philadelphia, United States

Full Stack AI Engineer UPenn World Wellbeing Project

Developed Dr. Angela Duckworth's AI Grit agent.

The World Well-Being Project is a group of computer scientists, psychologists, and statisticians collaborating to develop new techniques for measuring psychological and medical well-being based on language in social media.

09/2025 – 02/2026

Forward Deployed AI Engineer Attunement.ai

YC-backed Health AI Startup

AI platform for neuropsychological assessment and clinical documentation

- Partnered directly with neuropsych clinicians to translate real clinical workflows into product requirements and system design
- Built end-to-end AI pipelines for structured clinical report generation, including transcript + intake + EMR document ingestion
- Implemented evals

A.I. Projects

- Developed agentic orchestration using LangGraph/LangChain and OpenAI-based tool calling for multi-step clinical reasoning tasks
- Tech: OpenAI Agent SDK, LangGraph, LangChain, Flowise, Python, TypeScript, Supabase

Education

Los Angeles

Cognitive Science & Computer Science UCLA

B.S. in Cognitive Science with a specialty in Computing (Computer Science).

Philadelphia

Applied Psychology University of Pennsylvania

Masters in Applied Positive Psychology. Topic of thesis: utilizing web and mobile applications to deliver psychological interventions and treatment.

Skills

- AI ENGINEERING

LangChain

LangGraph

Pinecone & Chroma

Agents

Open Claw

Model Evaluation

OpenAI API

Model Context Protocol

Prompt Evaluation

Research Based Prompt
Engineering

- AI DEV TOOLS

Cursor

Codex

Open Claw Coding Agent

- FRONTEND - CLIENT

React

React Native

CSS

HTML

Bootstrap & Tailwind

Android

Next.js

Redux

- BACKEND

Node.js

FastAPI

Next.js

Postgres

MySQL

NoSQL

Mongo

Pinecone

Lambda

Elastic Search

Snowflake

Typescript

- DESIGN

Canva

Figma

Midjourney

- DEV OPS

AWS EC2

CD/CI

Bitbucket Pipelines

Heroku

Vercel

Docker

Outside The Box



Co-author: Web3 and Mental Health Article in *Frontiers in Psychiatry Journal*



Filed several Software Patents



Played in the World Series of Poker



Blog Mentioned By NY Times



Lived in 7 Countries



Written music for radio & film



Founded a successful for-profit consumer union.



+1M plays on Reels

Press

- **The San Francisco Chronicle, The Boston Herald, SFGate, The San Diego Union Tribune, Brit+Co, Phys.org, LifeHack** covered Ransomly.
- **The List (TV)**- an Emmy nominated national TV show featured my app, Ransomly. **Good Day Sacramento (TV)** and **The CW News (TV)** featured Ransomly.
- **Google IO Key Note** 2017 included Emberlight integration.
- **Live Happy Magazine**- a national magazine covered Gratitude Bucket and Ransomly.
- **CareerAddict.com, SpringWise.com, Start-up Dope, L'AND** all covered my app and browser extension, Nudge Kick.
- **Digital Trends, Android Headlines, Ausdroid** covered the integration with Google Home and Emberlight

Journal Publications

07/2022

Web3 and digital mental health: Opportunities to scale sustainable mental health promotion and peer support **Frontiers In Psychiatry**

<https://www.frontiersin.org/articles/10.3389/fpsy.2022.945830/full>

An exploration of mental health peer support and Web3.

Volunteering

10/2023 – present
Portland, United States

Community Organizer **Portland Society**

I host a recurring Buddhism & Mindfulness gathering through the Portland Society – a community of over 10,000 members exploring the intersection of science, spirituality, and altered states. We dive into topics like ego dissolution, non-duality, integration, and the overlap between Buddhist practice.

01/2017 – 01/2022
San Diego/Remote, USA

Community Organizer **CoHack.org**

Consciousness Hacking started in December 2013 with the intention of sparking a community of makers who are focused on exploring and constructing new technologies for human flourishing. I have worked to build up the community San Diego from scratch to 3000 members.