Aaron Cassar

New York, NY • +1 831 833 9596 • aaroncassar.com • aaron3cassar@gmail.com

TECHNICAL SKILLS

Frontend: TypeScript, JavaScript, React, Vue.js, jQuery, Socket.io, Mantine, Supabase, Tailwind, lodash, React Native
Backend: TS / JS, Python, Java, Bun, NodeJS, Flask, Prisma, MySQL, DynamoDB, Pytorch, Firebase, REST APIs
Testing/Deployment: Jest, Vitest, Jira, Azure, AWS, Render, CloudFlare, Netlify, GitHub Actions, Puppeteer
Developer Tools: Git, Docker, npm, pip, Vite, Webpack, esbuild, OpenAI, OpenAI Actions, GitHub, GitLab

EXPERIENCE

Vendora *(an all-in-one grocery management solution)*   NYC
Senior Software Engineer   *Nov 2024 - Present*
- Worked in full-stack, developing in TypeScript with a NodeJS backend. Built out three different React Native (iOS, Android, and Windows) apps, two React Native Expo (iOS and Android) apps, a primary portal management site in NextJS, and a modular white-label storefront using NextJS.
- Led catalog redesign and overhaul - designing and leading development of a system that dynamically populates granular product data from an unlabeled grocery SKU.

SellScale *(a next gen AI-powered sales and outbound tool)*   Hybrid - SF
Founding Software Engineer   *Feb 2023 - Nov 2024*
- Worked in full-stack, developing in TypeScript and Python; using React, Flask, Render, and Postgres.
- Built various AI systems with Azure OpenAI Service; using GPT-4, 4V, & Whisper. Used ada-002 embeddings and ChromaDB to create a vector DB for vector search.
- Led team of 4 remote frontend/fullstack contract engineers, writing and assigning them tickets.
- Created integration with Gmail's API, Calendly's API, Nylas' API, Phantombuster's, and much more.
- Developed and led the SellScale browser extension - which every client uses daily as their main tool.
- Switched our LinkedIn integration to use Li's internal Voyager API instead of iScraper, saving the company over $50k/year. Managed entire Li integration system - that 93% of our clients use daily.
- Worked extensively within the ML space, developing on top of OpenAI, Anthropic, Meta's LLMs.
- Engineered completely automated flow for domain finding, purchasing, DNS setup, email account creation, and email account automation flow using AWS' Boto3 and Smartlead's API.

Wanderer's Guide *(a digital toolset and management platform for the TTRPG industry)*   Remote
Founder   *Jun 2019 - Present*
- Worked in full-stack, developing in TypeScript; using React, Mantine, Supabase and edge functions.
- Created a free global content creation platform with over 210,000 users, generating over $35,000 gross annually from donations and maintained by dozens of volunteers from across the globe.
- Led team of 4-5 talented individuals (spanning from senior engineers at Netflix to CEO of AWS SaaS company) who offered to help develop and maintain the platform for free out of love for the site.
- Worked with TTRPG companies, creating partnerships, free hosting, and YouTube sponsorships.
- Built a Restful API to allow app integration and implemented OAuth 2.0 account authorization for it.
  - Built a verified Discord bot using my API and is used in over 200 Discord servers (~80k ppl).
- Built legacy app as a JS monorepo; using Node.js, Socket.IO, jQuery, and Sequelize/Prisma as ORM.
  - Managed flexible MySQL database and replica instances containing 300k+ user char profiles.
  - Managed cloud infrastructure, using Azure, worked with Front Door, App Services, insights.
  - Developed markup and compilation language, WSC, and created language compiler for it.

OTHER

Education: Bachelor of Science in Computer Science - *Minor in Mathematics*
Hobbies and Interests: Backpacking, skateboarding, TTRPGs, board games, pickleball, and ultimate frisbee
Leadership and Affiliations: Volunteer bi-weekly at City Hope SF, lead weekly meeting in local community

EXPERIENCE *(continued)*

[AngelAi](#) *(an AI chat bot for creating loans and working with loan officers, [prev promo video](#))*   Remote
Software Engineer   *Oct 2021 - Feb 2023*
- Worked in full-stack, developing in TypeScript & JavaScript; using Node.js, Socket.IO, and MongoDB.
- Collaborated in an Agile team of 12 members, also worked close with members of design and admin.
- On frontend, used React (and React Native for mobile app) with MUI to develop admin panel and user page for over 10,000 borrowers and loan officers - dealing with over $250m in loan transactions.
- Initiated and led clean up & standardization of codebase as well as switching assets to SVGs and Lotties - overall improving performance of basic site functionality by over 700% (1,800ms to 250ms).
- Led initiative for transition to using TypeScript instead of JS (in the process of developing library code) - resulting in additional code reusability and improved development time by at least 20%.
- On backend, developed software that interacts with OpenAI's LLMs and Twilio's Autopilot API.

[Springs](#) *(a marketing service for advertising and ranking digital resources)*   Remote
Software Developer - Contract   *Nov 2020 - Oct 2021*
- Using Vue.js, Socket.IO, and Flask (Python), built an SEO-optimized website for marketing services.
- Added Stripe integration for monthly subscription model and site revenue.
- Handled site database, using Amazon's DynamoDB as our NoSQL db.
- Developed GraphQL API (using Apollo) for querying resource rankings, ratings, and categories.
- Worked with influencers and content creators, marketing the site and services.

[FlexSweep](#) *(a dust mop and broom manufacturing company)*   Remote
Software Engineer - Seasonal   *Mar 2018 - Apr 2022*
- Seasonal contract work to manage backend infrastructure containing inventory and sales metrics.
- Built backend systems using Python and Firebase (Pyrebase), replacing original Java infrastructure.
- Using QuickBooks Online API, integrated company's files with backend systems.
- Developed inventory management interface for internal use, with Amazon integration - using Amazon's FBA Inventory API to track the real-time availability of products sold on Amazon.

WalkAshland *(an Android app that broadcasts and displays virtual tours)*   Ashland, OR, USA
Java/Kotlin Software Developer - Contract   *Feb 2021 - May 2021*
- Worked in Agile team, building core framework for the app and managed testing and release tracks.
- Built tool in Android Studio that automatically generated waypoints and routes for Google Maps.
- Integrated the app with our Firebase database, migrating our system with other teams.
- Developed generation tools for nodes using Google Maps & Directions API.

PROJECTS

See [portfolio](#) and [GitHub](#) profile for details. I'm also the owner of this [GitHub Organization](#).

PREVIOUS LEADERSHIP & AFFILIATIONS

Card-Board Club, Co-President & Accountant
- Managed group finances, weekly meetings (10-20 weekly attendants), and logistics.

MTG Association, President
- Managed weekly meetings, twice-monthly events (20-35 attendants), budget, and more.

Team Building Leader and Event Coordinator
- Lead peers once to three times per week in creativity and conflict resolution exercises. Eventually this became a part-time job that I ran bi-weekly for two different groups of youth, ages 8-12.