Aaron Cassar

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TECHNICAL SKILLS

Frontend: TypeScript, JavaScript, React, Vue.js, jQuery, Socket.io, Mantine, Supabase, Tailwind, lodash
Backend: TS / JS, Mojo, Python, Java, Bun, NodeJS, Flask, Prisma, MySQL, ChromaDB, 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

SellScale *(a next gen AI-powered sales and outbound tool)*   Hybrid - SF
Founding Software Engineer   *Feb 2023 - Present*
- 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 used 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 used daily.
- Created the SellScale chat simulator - allowing prospects to simulate our entire AI product exp.
- 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 & Lead   *Jun 2019 - Present*
- Worked in full-stack, developing in TypeScript; using React, Mantine, Supabase and edge functions.
- Created a content creation platform with over 190,000 users (~4,500 daily active users).
- 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 account authorization for it.
  - Others have built Discord bots and character sharing tools using this API and our data.
  - My verified Discord bot I built using the API 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.

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 ChatGPT and Twilio's Autopilot API.

OTHER

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