

Jair Trejo

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Experience

Workstep – Senior Software Engineer

Feb 2023 – Present

- Ideated, prototyped and productionized a generic metrics calculation backend in Python to service our new GraphQL API.
- Led the overhaul of our web stack from Redux to GraphQL and Relay, leveraging the new Python metrics backend, achieving a 10x speed improvement.
- Leveraged the new stack to build and launch a new survey product that has driven renewals from our largest customers.

Meta – Senior Software Engineer

May 2021 – Nov 2022

- Participated in a multi-org project to develop a safety feature for Facebook. Coordinated with partners in Messenger and Instagram to design the feature based on my previous work, executed the Facebook Pages version of the feature across web and mobile platforms, and set up monitoring for the feature release for millions of people.
- Wrote integrations to onboard new internal customers to our ML and Human review process, setting up monitoring to ensure optimal utilization and guiding engineers in other teams to integrate with our APIs smoothly.

Amazon – Senior Software Engineer

May 2018 – Mar 2021

- Led two teams of front-end engineers to develop an innovative learning product to accelerate learning inside the company, cutting some critical training times in half.
- Deployed, monitored and scaled our mid-tier services on AWS.
- Designed and implemented our front-end stack, based on NodeJS in the backend and Redux in the frontend.

LinkedIn – Senior UI Engineer (*Oct 2016 – Mar 2018*)

Chegg – Senior Full-Stack Software Engineer (*Jan 2015 – Oct 2015*)

Vinco Orbis – Web developer → Director of Operations (*Feb 2011 – Oct 2014*)

Projects

Ain't it funny how the knight moves? — funnyhowtheknightmoves.com

A chess puzzle that made it to the front page of Hacker News. I put it together in a few days after hearing the puzzle described and it was featured in Kottke and Boing Boing.

Get Kana — getkana.com

An app for learning the Japanese syllabaries. It has over 10K downloads in the Google Play store but it's originally a Progressive Web App, and as such was featured as a showcase of the technology in the specialized press.

Change my avatar — avatar.jairtrejo.com

A Generative AI experiment where people can suggest prompts for my avatar and the app picks one very day, generates it via a fine-tuned Stable Diffusion and sets it as my Mastodon profile picture.