

Max Lever

empathetic engineer working at the intersection of technology, ethics, and creativity

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maxlever.me

Education

Northeastern University

Boston, MA. 09/13–05/18

BS, Computer Science / Interactive Media, Ethics minor, *summa cum laude*. 3.9 GPA

Honors Program with Distinction;

Dean's Scholarship

Marshall Scholarship finalist

Skills

Frontend: React, TypeScript, NextJS, D3

Backend: Node, Django, Phoenix

Data stores: Postgres, DynamoDB, Redis

Infra/CI: Git, Jenkins, K8s, Cloudflare, AWS

APIs: GraphQL, REST

Principles: SOLID, 12-Factor, Agile

Natural languages: French (bilingual native),

Spanish (working knowledge)

Projects

CoreWoman, Software Consultant

New York, NY. 05/19–present

- CoreWoman empowers Latinx entrepreneurs who have been victims of gender-based violence, by developing the skills necessary to succeed. We help social workers analyze their progress on KPIs.

- Architected a multi-tenant serverless application, with NextJS, TS, and D3, deployed on Netlify, with authentication, DynamoDB stores, and a GraphQL CMS.

- In Spanish and English, I interviewed, hired, and trained a junior engineer in Colombia to continue the work.

Open Source

Contributed to the AMP framework and the ProseMirror library.

Experience

Axios, Full Stack Engineer

New York, NY. 08/19–present

- Build and maintain web systems in NextJS, Node, Django, Phoenix, and AWS.

- Launched the site redesign to millions of daily users, quartering load time (FCP), increasing search ranking by 15%, and increasing traffic by 40%.

- Increased API performance by 600% by integrating Memcached and validating via load testing tools.

- Assist editorial team and clients via in-house CMS development, admin tooling, and on-call rotations.

- Facilitate onboarding by pair programming and writing documentation and tools.

- Led development of a system to transition 40k concurrent users in increments to new infrastructure using Cloudflare Workers, with no downtime.

Artmatr, Lead Software Engineer

New York, NY. 11/18–06/19

- Collaborated with blue-chip artists to create robotic painting and printing systems. Wrote C/C++ firmware for custom hardware controlled by radio signaling, and tools for testing/simulation.

- Spearheaded agile methodologies for engineering team.

metaLAB (at) Harvard, Software Consultant

Austria; Poland; UK; Cambridge, MA. 08/18–01/19

Conceived interactive art installations at festivals (Ars Electronica, Mozilla) for an artist addressing AI ethics.

MIT Media Lab, Developer and Designer

Cambridge, MA. 01/17–01/19

2018, Object-Based Media group: designed tools for generating ideas, working with a creativity researcher.

Deployed GCE instance with graph database of millions of semantic relationships, visualized with D3.

2017, Scalable Cooperation group: built web app for reading emotions with AI, with data/social scientists.

Ronik Design, Developer Co-op

Brooklyn, NY. 01/15–07/15

- Designed and built award-winning web apps for clients using React, CMS templating, and Django. Improved open-source SSG and CMS tooling.