

Stefan Valentin

A product-focused engineer with an ability to visualize solutions to problems across the entire stack. A demonstrated leader supporting skill growth in fellow engineers as manager or peer.

Experience

Mixpanel (*Senior Software Engineer*) March 2023 - Current

- Full stack role developing and maintaining UI for building reports/queries on mixpanel.com.
- Ran multiple projects from start to end including tech design doc, collab with UX/Product, writing/reviewing code. Projects: overhaul dashboards subscriptions, chart customizations, savable metrics.
- Participated in on-call rotation for total surface area of the client for mixpanel.com.

Twitter (*Senior Software Engineer*) Nov 2021 - Nov 2022

- Built a game within twitter.com to increase engagement for content from paying publishers. Personally created the technical design document, built the backend and frontend in 3 months. Built to scale to 100k-1m concurrent users.
- Led project to rewrite studio.twitter.com frontend to update its 6 year old codebase to newest standards utilizing TypeScript and leveraging internal Twitter component library.

The Predictive Index (*Lead Software Engineer*) - predictiveindex.com Feb 2018 - Nov 2021

The Predictive Index (*Senior Software Engineer*) Jul 2017 - Feb 2018

- Led and managed team of 3 - 6 engineers on a product focused team.
- Oversaw and personally contributed to see the Design product built from ground up in 2018.
- Led front end architecture using weekly "code read" meetings, pull requests, and POCs.
- Completed project to split apart monolithic front end app into separate apps per team to support needs of scaling engineering org.
- Personally restructured the front end codebase to improve initial load time. Decreased initial load time by 66% and decreased reports of slowness by 83%.

Rev (*Software Engineer*) - rev.com Jul 2015 - Jul 2017

- Championed best practices for front end tech through pull requests and presentations.
- Introduced React to engineering org.; built out examples for rest of org. to learn from.
- Rewrote front end build system to leverage new JavaScript language features (ES6).
- Introduced TypeScript. Led conversion of frontend codebase to TypeScript in one year.

Vubeology Inc. (*Web Developer*) - vube.com/stream.me (defunct) Nov 2013 - Jun 2015

- Worked on Angular.js codebase for a high-traffic (Alexa top 100 ranked) video website.
- Wrote stream.me chat interface from scratch which supported > 1,000 users.

Rediker Software (*Software Engineer*) - teacherevaluator.com 2012 - 2013

- A part of a small team, built a teacher evaluation Django app from the ground up in a single summer.

Independent Projects

Portfolio: <http://whats.gd/portfolio>

Ripple - [Blog post on Entity Component System](#)

- Created a complex simulation video game in JS from the ground up, engine and all.
- Problems solved: map generation, entity AI in an emergent simulation, pathfinding.

Skills

Languages: JavaScript/TypeScript (expert), Python/C#(proficient), Scala/Java/C/C++(rusty)

Technologies: React, Redux, Webpack, Node, Storybook, Puppeteer, .NET, Angular, git, Django, XMPP, websockets, D3, Flask, Sass, LESS, MongoDB, Postgres, Redis, Heroku, Azure

Education

University of Massachusetts Amherst, 2013

B.S. in Computer Science, B.S. in Mathematics (Double Degree)