

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

The Predictive Index (Lead Software Engineer) - [predictiveindex.com](https://www.predictiveindex.com) Feb 2018 - Present

The Predictive Index (Senior Software Engineer) [predictiveindex.com](https://www.predictiveindex.com) 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 team to pivot product in a 3 month timeline through Covid in 2020.
- Led front end architecture using weekly "code read" meetings and pull requests.
- Led team on initiative to improve perception of slowness in software. Personally restructured front end codebase to improve initial load time. Decreased initial load time by 66% and decreased reports of slowness by 83%.
- Helped double the size of the engineering org by interviewing candidates, including phone screens and tech/behavioral interviews. Personally created a structured process for interviews using HackerRank and trained up peers on it.
- Led project to split apart monolithic front end app into separate apps per team. Started project in spare time by delivering POC with new tooling. Did 90% of the work personally.
- Managed/coached engineers on the team. Saw 3 promotions for 3 reports in 2 years.

Rev (Engineering Team Lead) - [rev.com](https://www.rev.com) Apr 2017 - Jul 2017

- Led a small team to further iterate on tooling for freelancers to enhance their productivity and thus the company's productivity.
- Championed best practices for front end technologies by reviewing pull requests and giving presentations.

Rev (Software Engineer) - [rev.com](https://www.rev.com) Jul 2015 - Apr 2017

- 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](https://www.vube.com/stream.me) (defunct) Nov 2013 - Jun 2015

- Worked on Angular.js codebase for a high-traffic (Alexa top 100 ranked) video website.
- Example projects: wrote stream.me chat interface from scratch which supported > 1,000 concurrent users, created internal stats dashboard front to back.

Rediker Software (Software Engineer) - [teacherevaluator.com](https://www.teacherevaluator.com) 2012 - 2013

- A part of a small team, designed and implemented a teacher evaluation Django app from the ground up. Built the app from idea to production-use in schools in a single summer.

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

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

- Created complex simulation video game in JS from the ground up, engine and all.
- Problems solved: map generation, entity AI in an emergent simulation, pathfinding
- Maintained a streak of writing code for it every single day for over a year.

Skills

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

Technologies: React, Redux, Webpack, Node, .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)