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

Twitter (*Senior Software Engineer*) - twitter.com   Nov 2021 - Nov 2022
- Built a game 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 team and architecture through revisions to release of Team Discovery product.
- 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. Rearchitected codebase around shared internal npm libraries to move from mono to poly repo.
- Led team on initiative to improve perception of slowness in software. Personally restructured the 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.
- Managed/coached engineers on the team. Saw 3 promotions for 3 reports in 2 years.

Rev (*Engineering Team Lead*) - rev.com   Apr 2017 - Jul 2017
Rev (*Software Engineer*)   Jul 2015 - Apr 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, 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 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, .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)