

Josh Manning

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Experience

Amazon — Front-End Engineer *Arlington, VA*

November 2020 – Present

- TBD, Java and React.

AutoAlert — Software Developer *Kansas City, MO*

March 2020 – November 2020

- I work as part of an agile team across various projects, primarily front-end development utilizing Vue and Vuex.
- Began development and adoption of a shared library to formalize our business logic across components and apps.
- Rebuilt our UI routing + navigation, simplifying to a single source of truth. Introduced major improvements to DX.

CivicPlus — Front-End Developer / Software Engineer *Manhattan, KS*

April 2019 – March 2020

- Delivered responsive, accessible web sites. Additional tools written in Node.js, React, and TypeScript, hosted in Azure.
- **Helped to lead training initiatives** for our design team to learn HTML and CSS. This helped to enable several designers to transition to full time designer + developer roles where they were building their own websites.
- Built a toolkit to **eliminate hundreds of hours of work** for myself and others, eliminating the need for my initial role and allowing me to transition into a role dedicated to automation and UX.
- Built a tool to clean, validate, and group various data sources into a consistent format. For initial clients, this tool handled nearly **half a million** records and **eliminated several hundred hours** of manual data cleaning for our resource team.
- Built a proof-of-concept site builder in React to enable non-technical designers the ability to build their own websites.
- Repeated recognition and awards for excellence in innovation and positive change.

KDD Lab — Programmer *Manhattan, KS*

March 2015 – August 2016

- Work full stack on visualizations using JavaScript and D3.js, API using Python and Django.
- Gradually converted a complex system into a modular, easy-to-use codebase. Resulted in improved productivity and DX.

Projects

Sequencing (link)

Early 2019

- API built using Python, Flask, and MongoDB. UI built using React, TypeScript, MobX, and D3.js. Built/served in Docker.
- Project designed to help a Ph.D. candidate analyze irregularities/patterns across genomes.

Sudoku App + Friendly Solver (link)

May 2020 – Present

- Built with React, TypeScript and MobX. Hosted on Netlify.
- Built an app for users to play sudoku puzzles including a solver which produces human-friendly techniques and hints on how to solve it.

Site Builder *CivicPlus*

Late 2019

- Proof-of-concept. Built with React, SCSS, and MobX.
- WYSIWYG site builder designed to enable non-technical users the ability to build websites (similar to Wix or Squarespace).

@jman.me/create-react-app (link)

May 2020

- Built an opinionated project setup tool to automate the setup of React projects, layered on top of create-react-app. Hosted on npm.
- Introduces TypeScript, MobX, Prettier, a folder structure, and more.

More projects and information available at jman.me/projects

Skills

Ordered by my level of experience

Languages

JavaScript (ES2020), TypeScript, Python, Golang, Rust

Technologies

React, Node.js, MobX, Vue, Vuex, Flask

Databases

MongoDB, PostgreSQL, DynamoDB

Tools & Environments

Git, Bash, AWS, Lambda, API Gateway, EC2, Docker

Education & Involvement

- *Incomplete:* B.S. in Computer Science at Kansas State University **(2015-2018)**
- Captain and Coach of high school and college Ultimate Frisbee teams **(2015-2018)**