Josh Manning

github.com/jbmanning
jman.me

josh@jman.me
(785) 410-1283

Experience

AutoAlert – Software Developer *Kansas City, MO* **March 2020 – Present**
- Work as part of an agile team across various projects, primarily front-end development utilizing Vue and Vuex.
- Additional work performed using C#, .NET, and Angular.

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.
- Automated **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, UX, and serving as an engineering SME for my department.
- Built a tool from the ground up to clean, validate, and group various data sources into a consistent format. For the initial clients, this tool handled nearly half a million records and eliminated several hundred hours of manual data cleaning.
- Built a proof-of-concept site builder in React to enable non-technical designers the ability to build their own websites.
- Discovered and began to repair security vulnerabilities by integrating with CivicPlus SSO using OpenID Connect.
- Repeated recognition and awards for excellence in innovation and positive change.

KSU K.D.D. Lab – Research Programmer *Manhattan, KS* **March 2015 – August 2016**
- Work full stack on visualizations using JavaScript and D3.js, API using Python and Django. Additionally, using React and Redux to help facilitate the initial implementation of a new application.
- Enhanced developer productivity by gradually converting a complex system into a modular, easy-to-use codebase.

Education

Kansas State University *Manhattan, KS* **June 2014 – May 2018**
- Bachelor of Science in Computer Science, *unfinished*

Projects

Sudoku Solver **May 2020 – Present**
- Designed and implemented a solver for sudoku puzzles. Employs an array of well-known techniques to efficiently solve puzzles.
- Built using React, TypeScript, and MobX. Hosted on Netlify.

Sequencing **Early 2019**
- API built using Python, Flask, and MongoDB. Interface built using React, TypeScript, and D3.js. UI state management initially built using Redux, transitioned to MobX and React Hooks. Built/served in Docker.
- Project designed and built to help Ph.D. candidate analyze irregularities/patterns across genomes.

Site Builder *CivicPlus* **Q3-Q4 2019**
- User friendly, WYSIWYG site builder to enable non-technical designers the ability to build websites (similar to Wix or Squarespace).
- Proof of concept with drag and drop components and in-browser editable SCSS styles.
- Implemented using React, SCSS, MobX.

@jman.me/create-react-app **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 level of experience

Languages
JavaScript (ES2020), TypeScript, CSS, Python, Golang

Technologies
React, Node.js, MobX, SCSS, Vue, Vuex, Express, Flask, Django, Gorilla/Mux

Databases
MongoDB, PostgreSQL, DynamoDB

Tools
Git, Bash, GitHub API, Dropbox API, Ansible

Environments
Linux, Ubuntu Server, AWS, EC2, Lambda, API Gateway, Docker, Azure

Currently Learning
C#, .NET Core, Rust, Recoil.js

Involvement
- Asst. Coach of high school Ultimate Frisbee team **(2015-2017)**
- Coach of college Ultimate Frisbee team **(2017)**