Josh Manning

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Experience

AutoAlert – Software Developer   *Kansas City, MO*   **March 2020 – Present**
- I work as part of an agile team across various projects, primarily front-end development utilizing Vue and Vuex.
- Full-stack development to redesign an identity server, using C#, .NET, and Razor.

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.
- Worked with designers and art directors to ensure requests could be met/exceeded.
- 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, UX, and serving as an engineering SME for my department.
- 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.
- 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.

KDD Lab – Programmer   *Manhattan, KS*   **March 2015 – August 2016**
- Work full stack on visualizations using JavaScript and D3.js, API using Python and Django.
- 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 App + Friendly Solver (link)   **May 2020 – Present**
- Built an app for users to play sudoku puzzles, including a solver which produces human-friendly techniques and hints on how to solve it.
- Built using React, TypeScript, MobX, and Recoil.js. Hosted on Netlify.

Sequencing (link)   **Early 2019**
- Project designed to help a Ph.D. candidate analyze irregularities/patterns across genomes.
- API built using Python, Flask, and MongoDB. Interface built using React, TypeScript, and D3.js. UI state built using React Hooks, MobX. Built/served in Docker for easy distribution.

Site Builder   *CivicPlus*   **Late 2019**
- User-friendly, WYSIWYG site builder to enable non-technical designers the ability to build websites (similar to Wix or Squarespace).
- Designed and built a proof-of-concept with drag-and-drop components and in-browser editable styling similar to Photoshop.
- Implemented using React, SCSS, MobX.

@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, CSS, Python, Golang

Technologies
React, Node.js, MobX, Vue, Vuex, 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)**