tyler simoni

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Frontend engineer with 6+ years of software development experience. Passion for UI/UX design and well-documented code. Practical experience building web apps from the ground up, ranging from simple static sites to production-level government apps using a range of technologies. SAFe 5 practitioner. Intrinsically motivated team player and expert communicator, aspiring to combine broad background and strong technical skills to see products grow and succeed.

✚ employment

Planet Technologies
Washington D.C. (Remote)
Frontend Software Developer — Apr. 2022 to Current
- Created a custom classification portion marking tool which saved the company around $90,000
- Leveraged advanced JavaScript coding to design & develop secure, complex service-based architectures and/or microservices.
- Developed dynamic PDF generators for various forms using KendoUI library.

GovernmentCIO
Washington D.C. (Remote)
Frontend Software Engineer — Dec. 2021 to Apr. 2022
- Maintained all search related functionality for VA.gov that is used by 6-10 million users per month.
- Updated and maintained multiple React/Redux apps for VA.gov.
- Created, merged, and peer reviewed pull requests to multiple open-source repositories supporting VA.gov.

CAE USA Mission Solutions Inc.
Tampa, FL
Frontend Software Engineer — Jan. 2018 to Dec. 2021
- Worked with React Typescript components, Form, Events, Router, and Unstated-Typescript.
- Designed and mocked up testable production components using Figma design tool.
- Assisted in the company-wide transition from Waterfall to Agile, utilizing SAFe practices such as Program Increment planning and Scrum.
- Performed full system integration during the life of a simulator including: network integration, code integration, and code testing.

CAE USA
Tampa, FL
Software Engineer Co-op — Jan. 2017 to Dec. 2017
- Developed software using C# WPF using Model-View-Viewmodel (MVVM) practices.
- Assisted in the development of a C# application to use flight test data to automate the generation of macros used to initialize the simulation software.
- Refined and performed cold start procedures that effected more than two dozen mission critical simulator maintenance laptops.

✚ projects

Recipe Book (In Progress)
- Built using NextJS, Prisma, tRPC, MantineUI, utilizing Next-Auth as a authentication service and MongoDB as a database service.
- Will allow the user to log-in, create easily shareable recipes and cook books, and search recipes based on a variety of filters.

Jammming
- Built using React, Redux and CSS.
- Used the Spotify API to allow the user to search for music, create a new playlist, and save it to the user's Spotify account utilizing React-Redux and Redux Thunk middleware.
- Utilized Implicit Grant Flow to allow user to authorize the app to use their Spotify account.

Portfolio Website
- Built a JAM Stack portfolio website to showcase myself, my resume, and my future projects using GatsbyJS, React, Styled-components.
- Implemented a light/dark theme switcher using React createContext, styled-components, and custom hooks.
- Utilized EmailJS for contact form to send emails with contact information.

✚ education

University of South Florida
B.S. Computer Engineering

✚ skills

CLEARANCE: Active TS Clearance
CERTIFICATIONS: SAFe 5 Practitioner
GENERAL: Git, GitHub, Jira, Confluence, VS Code, Agile, Scrum, SAFe
FRONTEND: HTML5, CSS3, Javascript, Typescript, React, NextJS, Redux, Unstated, MantineUI, Styled Components, Node, SCSS, SASS, GatsbyJS
BACKEND: NextJS, Prisma, tRPC, MongoDB
DESIGN: Figma, Adobe Illustrator

✚ volunteering

The Florida Center for Cybersecurity ·
CyberCamp Assistant
Tampa, FL
Helped the campers develop a new set of coding and cybersecurity skills from the materials presented to them. Included Linux CLI, Python, Raspberry Pi, and Ciphers.