

Milad Sadeghi

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FRONT-END SOFTWARE ENGINEER

A solution-oriented and problem solver software engineer with more than 4 years of experience in software industry. Interested in helping other developers and transferring knowledge by writing blog posts and developing open source projects. Eager to learn and flexible to adapt with new technologies.

EXPERIENCE

FrontEnd Software Engineer

(Freelance) Sep 2021 – Present

- Improving **test coverage** from **60%** to **87%**
- Migrating web app styles from **tailwind css** to **styled-components**
- Optimizing web apps performance using **lazy loading**, **memoization** techniques
- Configuring **CI/CD** pipelines for **cypress** on **github actions** to test web apps on **various web browsers**
- Avoiding **prop hell** issue and making components **more reusable** by applying **compound-component** pattern

Computer Vision Engineer

(Freelance) Feb 2019 – Feb 2021

- Building high resolution **image dataset** in order to feed **GANs**
- Designing and developing computer vision based **security systems**
- Training a **neural network** on **diffusion** and **perfusion** MRI to perform **brain tumor segmentation**

VOLUNTEERING

OpenSource Software Engineer

Mar 2019 – Present

- Building several repositories such as **feip** and **lcrrs** to help developers to prepare themselves for **technical interviews**
- **Refactoring** the codebase of **fprime** project which is the flight software of **NASA mars helicopter**
- **Developing new features** for **scipy** project such as **khatri-rao** matrix product

SKILLS

Languages and libraries : JavaScript - TypeScript - HTML - CSS - SCSS - Tailwind CSS - CSS Modules - Styled Components - React - Redux - Redux ToolKit - React Router - React Query - React Testing Library - Jest - Cypress

Dev Tools and technologies: RestAPI - Git - GitHub - Supabase - Linux - CI/CD - Unit/Integration/E2E Testing - Vite - Webpack

Other skills : Algorithms - Data Structures - Agile - Collaboration - Communication - Self Motivation - Remote Development

PROJECTS

The Wild Oasis

[Live Demo](#)

[Source Code](#)

A **cabin rental management dashboard** for overseeing bookings, cabins, guests and availability status

ReactJS - React Router - React Query - Styled Components - Cypress - Supabase - Vite - Netlify

- **Desktop-First** design strategy using **styled components**
- **Bundle size** and **performance** optimization using **dynamic imports** and **lazy loading**
- **Unit, integration** and **end2end** testing using **cypress** with **90%** test coverage
- **Continuous integration** and **continuous development** using **github actions**

BLOG POSTS

- [Typescript tutorial series - 01.Getting started](#)
- [Introduction to dynamic programming and memoization](#)
- [Unleashing the full potential of the useRef hook in React](#)
- [A Guide to useEffect Hook in React](#)
- [A Guide to useState Hook in React](#)
- [An Introduction to Event Delegation in JavaScript](#)