Milad Sadeghi

FrontEnd Software Engineer

Mobile: +1 (717) 219 7997

Personal Website | LinkedIn | GitHub | Blog

Email: MiladSadeghiDM@gmail.com

SUMMARY

Software engineer with 4+ years of experience, expertise in **JavaScript**, **ReactJS**, and a passion for helping other developers and sharing knowledge through **blog posts** and **open source projects. Eager to learn and adapt to new technologies**, with **strong communication** and **problem solving** skills.

EXPERIENCE

FrontEnd Software Engineer   (Freelance)   Sep 2021 – Present

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

- Web app performance can be degraded by **unnecessary loading of resources** and **re-rendering of components**. **Optimizing** the performance by using **lazy loading** and **component memoization** which reduced the web app **loading time** by **10%**
- It can be difficult to ensure that components are **reusable**, **well-documented**, and **easy to use**. Working on custom component library and applying **design standards** and **best practices** to make a **well-designed** and **maintained component library** which can help business to save time and money on development costs.
- **Prop hell** can make components difficult to maintain and reuse. Avoiding prop hell and **making reusable components** by applying the **compound component pattern** which reduced the number of props that needed to be passed to components and made them **easier to maintain** and **reuse**
- **Insufficient test coverage** can lead to bugs in production, which can cost businesses **time and money**. Improving test coverage by writing and maintaining comprehensive **unit, integration, and end-to-end tests** which increased test coverage from **60% to 87%** and **reduced the number of bugs** in production by **27%**
- Writing and maintaining **end-to-end tests** can be **time-consuming and repetitive**. Implementing **custom commands** for **cypress** to make tests more efficient and reusable which **reduced the time spent** for writing and maintaining end-to-end tests by **15%**
- Configuring CI/CD pipelines can be **complex and time-consuming**. Configuring **CI/CD pipelines** for **cypress** on **github actions** to test web apps on various web browsers which **automated the testing process** and saved the company testing costs

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 **lcrs** 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 - StoryBook - 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 - Scrum - Collaboration - Communication - Remote Development

BLOG POSTS

- Typescript zero to mastery tutorial series
- Introduction to dynamic programming and memoization
- A Guide to useEffect Hook in React