Milad Sadeghi DM

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FRONT-END ENGINEER

I am an experienced software engineer with 4 years of experience in open-source software development followed by 2 years of experience in computer vision engineering; i 've completed a 6 month length career transition period and work as a frontend software engineer. I bring strong software development and engineering background across multiple domains and quickly learn and adapt to new technologies and development environments. I seek new opportunities to leverage broad technical experience with a passion for coding and problem-solving in the frontend.

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 - Scrum - Collaboration - Communication - Self Motivation - Remote Development

PROJECTS

The Wild Oasis   *Live Demo*   Source Code

- **Tech stack:** ReactJS - React Router - React Query - React Hook Form - React Hot Toast - React Icons - Styled Components - Cypress - Supabase - Vite - Netlify
- A **cabin rental management dashboard** for overseeing bookings, cabins, guests and availability status
- **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**

Rapid'Za   *Live Demo*   Source Code

- **Tech stack:** ReactJS - Redux - React Router - Tailwind CSS - Cypress - Vite - Netlify
- **Online pizza ordering** application with on-the-spot payment
- **Mobile-First** design strategy using **Tailwind CSS**
- **Bundle size** and **performance** optimization using **dynamic imports** and **lazy loading**
- **Unit, integration** and **end2end** testing using **cypress** with **100%** test coverage
- **Continuous integration** and **continuous development** using **github actions**

EXPERIENCE

FrontEnd Software Engineer   Dec 2022 – Present

- Developed and maintained frontend components using **ReactJS**, **Html** and **Css**
- Conducted code reviews and provided constructive feedback to improve **code quality** and **maintainability**
- Optimized website **performance** by implementing **lazy loading** and preventing **wasted re-renders**
- Implemented **responsive design principles** to ensure seamless **user experience** across various devices

Computer Vision Engineer   Aug 2021 – Nov 2022

- Building high resolution **image dataset** in order to feed **GANs**
- **Brain tumor segmentation** using **diffusion** and **perfusion** MRI
- Designing and developing computer vision based **security systems**

Open Source Software Engineer   Aug 2019 – Present

- Building a repository called <u>feip</u> which is a resource for frontend engineering **technical interview preparation**
- Building a repository called <u>lcrs</u> which contains leetcode algorithmic challenges implemented in **javascript** and **python** and tested with **jest** and **pytest**
- Building a react application called <u>WorldWise</u> which is an app to **record the places that you have visited** all over the world
- Building a landing page called <u>omnifood</u> which is a food subscription startup using **html, css, javascript**
- Building a landing page called <u>natours</u> which provides exciting tours for adventures people using **html** and **scss**
- Building a landing page called <u>ecma-bank</u> which is a marketing website for a banking system using **html**, **css** and **javascript**
- Member of core development team of <u>scipy</u> since **feb 2020** and implementation of <u>khatri-rao</u> matrix product
- **Refactoring** python codes of <u>fprime</u> project which is a flight software of <u>nasa mars helicopter</u>
- Implementing the <u>linear discriminant analysis</u> algorithm from scratch
- Building a repository called <u>bts_dp_mri</u> which is a trained **neural network** for brain tumor segmentation
- Building a repository called <u>3d dense u-net</u> which is the implementation of this <u>research paper</u> using **python**
- Building a repository called <u>optimized u-net</u> which is the implementation of this <u>research paper</u> using **python**
- Building a repository called <u>fer_tl_dcnn</u> which is the implementation of this <u>research paper</u> using **python**

BLOG POSTS

- <u>Typescript tutorial series - 01.Getting started</u>
- <u>Introduction to dynamic programming and memoization</u>
- <u>Unleashing the full potential of the useRef hook in React</u>
- <u>A Guide to useEffect Hook in React</u>
- <u>A Guide to useState Hook in React</u>
- <u>An Introduction to Event Delegation in JavaScript</u>