

# Milad Sadeghi

## FrontEnd Software Engineer

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### SUMMARY

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I am a software developer with **5+** years of experience, specializing in **ReactJS**. I am passionate about building high-quality software and working with teams to achieve common goals. I am also a strong advocate for open source software and enjoy sharing my knowledge with others through **blog posts**, **open source contributions** and **frontend community meetings**. I am a **quick learner** and am always eager to **adopt new technologies**. I am confident that I can be a valuable asset to your software development team

### EXPERIENCE

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#### FrontEnd Software Engineer

Fulltime, SwiftSky (Sep 2019 - Sep 2023), 4yrs 1mo

- Web app performance can be degraded by unnecessary loading of resources and re-rendering of components. I optimized the performance by using **react** 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. I worked on a custom component library and applied design standards using **storybook** and **styledComponents** to make a well-designed and easy to use component library to help business to save time and money on development costs.
- Prop drilling can make components difficult to maintain and reuse. I refactored complex components such as modal window 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. I improved test coverage by writing and maintaining comprehensive unit, integration, and end-to-end tests using **jest** and **cypress** which increased test coverage from 60% to 87% and reduced the number of bugs in the production.
- Writing and maintaining end-to-end tests can be time-consuming and repetitive. I implemented custom commands for **cypress** to make tests more efficient and reusable which reduced the time spent for writing and maintaining end-to-end tests.
- Configuring CI/CD pipelines can be complex and time-consuming. I configured a CI/CD pipeline for **cypress** on **github actions** to test web app on various web browsers which automated the testing process and saved the company testing costs.

#### Computer Vision Engineer

Freelance (Sep 2017 - Feb 2019) 1yr 6mos

- I built a high resolution image dataset in order to feed GANs
- I designed and developed computer vision based security systems such as facial recognition
- I trained a neural network on diffusion and perfusion MRI to perform brain tumor segmentation

### SKILLS

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**Languages and libraries** : JavaScript - TypeScript - HTML - CSS - SCSS - Tailwind CSS - CSS Modules - Styled Components - React - Redux - 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

### VOLUNTEERING

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#### Programming Instructor

Oct 2023 – Present

- I passionately teach and mentor junior frontend developers on the TypeScript language through a Discord server

#### Content Creator

Apr 2019 – Present

- I wrote and published a lot of technical blog posts about JavaScript, TypeScript, React and Python on [hashnode](#), [medium](#) and [virgool](#) platforms

#### OpenSource Contributor

Mar 2019 – Present

- I built several repositories such as [feip](#) and [lcrs](#) to help other developers get prepared for technical interviews
- I refactored the codebase of [fprime](#) project which is the flight software of [NASA mars helicopter](#)
- I developed new features for [scipy](#) project such as [khatri-rao](#) matrix product