

# Mohsen Shafiei

Senior Frontend Engineer

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## EXPERIENCE

### Apple, Singapore — *Software Engineer III*

September 2021 - PRESENT

Currently, I'm working on enhancing Apple's UI platform to boost productivity and improve maintainability across the organization.

- Developed and implemented a new UI strategy and micro frontend platform for Apple products, reducing delivery time and minimizing repetitive tasks for developers.
- Established comprehensive development and design guidelines, including a UI/UX handbook for the new platform.
- Collaborated closely with stakeholders on:
  - Requirement gathering and problem definition
  - Solution disaggregation
  - Process and platform cadence development
  - Work plan creation
  - Success criteria establishment
- Introduced a new UI Kit & Design System for internal applications and platforms.
- Mentored junior developers through knowledge-sharing sessions, 1:1 meetings, pair programming, resource sharing, and programming clubs, helping them reach their full potential.

### Shopee, Singapore — *Frontend Engineer*

September 2019 - September 2021

Designed and implemented key platform-level products. including

- **Shopee performance tracking manager:**  
Created a tool for collecting metrics and guiding teams to optimize website performance using budget definitions and performance calculators.
- **Shopee Translation Management Platform:**  
Streamlined product deployment in multiple locales, enhancing productivity and collaboration among developers, product managers, and QA engineers for regional translations. Successfully improved website loading time by two seconds.
- **Shopee Checkout and Payment Page Maintainer:**  
Ensured smooth and secure transactions for customers.
- **Developer Tooling Enhancements:**  
Created Chrome Extensions, VSCode Extensions, and Webpack Plugins to improve the development experience.

## SKILLS

### Frontend Programming:

Javascript, HTML, CSS

### Backend Programming:

Python, NodeJS, and also familiar with Golang

### Frameworks:

React, Vue, Svelte, NextJS, Qwik, RemixJS, Express, Fast API, Django

### State Management:

Redux, Redux-Toolkit, React-Query, Pinia

### CSS & Styling:

CSS Modules, Sass, Less, Atomic CSS, Tailwind

### Type Checking:

Typescript, FlowType

### Software Testing:

React-Testing Library, Cypress, Jest, Enzyme

### Web Tooling:

Webpack, Vite, Rollup, Snowpack, Gulp, Grunt, Babel, NPM, Yarn, Lerna, Nx

### CI/CD:

Travis, Jenkins, Docker, Docker-Compose

### Collaboration:

Git, Github, Gitlab, Jira, Confluence, Agile Methodologies,

### Familiar With

Responsive Web Design, Design Patterns, Micro Frontend Architecture, System Design, Performance Optimization, Functional Programming, Accessibility, Chrome Extension Development, VSCode Extension Development

## Snapp, Tehran — Senior Frontend Engineer

May 2018 – September 2019

At Snapp, the Iranian equivalent of Uber, I focused on establishing a strong foundation for front-end products and business operations. Key responsibilities and products delivered included:

- **Snapp Client PWA Application:**  
Developed a progressive web app for seamless user experience.
- **Snapp Corporate Web Application:**  
Created a web platform for efficient business management.
- **Snapp UI-KIT:**  
Designed a comprehensive UI Kit to streamline front-end development.
- **Business Dashboards:**  
Developed various dashboards for monitoring and managing business operations.

## Varzesh3, Tehran — Frontend Developer

September 2017 – May 2018

At Varzesh3, the highest-traffic Iranian website, I played a key role in the development of products and services. My key responsibilities and delivered products included:

- **Anten.ir:**  
Developed a sports live-streaming service from scratch, providing users with real-time access to sporting events.
- **HR Monitoring Panel:**  
Created a comprehensive HR monitoring panel to streamline personnel management and improve organizational efficiency.

## The University of Tehran, Tehran — Teacher Assistant

September 2013 – September 2015

## OTHER PROJECTS

### Webpack [Quark-Loader](#)

Created a Webpack loader designed to deduplicate CSS declarations and minimize the size of CSS files, maximizing optimization and improving web performance.

### [Webpack-Shower](#) Plugin

Developed a Webpack plugin that enables users to filter, sort, and configure Webpack stats, optimizing build analysis and enhancing development workflows.

**Other projects:** Implemented various projects, including a C++ Mario Game, e-learning and food reservation websites, library management system, English-Persian translator, OpenGL Newton pendulum simulation, Farsi SMS spam detector, graphical Turing machine.

## HONORS & AWARDS

**The best developer of the year** (2017-2018) at Varzesh3 was awarded by the department

**Prof. Hayedeh Ahrabian Scholarship** was awarded by the department University of Tehran.

**Top 0.5 percent**, nationwide entrance exam of Iranian universities

**Ranked first among computer science entries**, nationwide entrance exam

**5th rank annual programming contest**, University of Tehran, Tehran, Iran

**Top rank of the writing contest**, nationwide Iranian students

## EDUCATION

**The University of Tehran, Tehran, Iran — B.Sc.**

September 2012 – July 2017

B.Sc. in Computer Science, University of Tehran, Tehran, Iran

## LANGUAGES

Persian, English

## EXTRA ACTIVITIES

Interests and hobbies include:

- Open-source development
- Learning new programming languages
- Photography
- Swimming
- Running,
- Reading books on self-improvement, investment, history, and design, as well as traveling.