Mohsen Shafiei

Frontend Software Engineer

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EXPERIENCE

Apple, Singapore — *Software Engineer III*

September 2021 – PRESENT

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

- Developed and implemented a new UI strategy and micro frontend platform for Apple OPS products, reducing delivery time by 90% 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**](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 Varzeh3, 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.