

Mohsen Shafiei

Senior Frontend Engineer

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EXPERIENCE

Apple, Singapore — Senior Frontend Engineer

September 2021 – July 2024

At Apple, I primarily served as a **'stitcher'**, working to create and refine Apple's UI platform to enhance productivity and efficiency across the organization. My contributions include:

Micro Frontend Platform: Proposed, implemented, and maintained a micro frontend platform from scratch for Apple, reducing delivery time, minimizing repetitive tasks for engineers, and paving the way for AI integration to enhance cross-functional collaboration among stakeholders and boost organizational efficiency.

Development and Design Guidelines: Established a comprehensive UI/UX handbook and design guidelines for the new platform, then used it to successfully onboard multiple teams.

Stakeholder Collaboration: Collaborated closely with stakeholders and leadership on requirement gathering and problem definition, solution disaggregation, process and platform cadence development, work and execution plan creation, success criteria establishment.

UI Kit & Design System: Successfully introduced and integrated a new UI Kit & Design System, featuring over 90 different components, to enhance our internal applications and platform consistency.

Applications and Modules Developed: Created and managed several applications and modules, including: Task Manager, RBAC (Role-Based Access Control) Manager, Process Manager, Translation Manager, Release Manager, Platform CLI, Performance Manager, Application Manager, Notifications Manager, Test Manager, Code Quality Manager and etc.

Mentorship: Mentored (junior) engineers through workshops, knowledge-sharing sessions, 1:1 meetings, pair programming, resource sharing, and programming clubs.

Shopee, Singapore — Frontend Engineer

September 2019 – September 2021

Designed and implemented key platform-level products. Including:

Shopee performance tracking manager: Planned for cultural change across organization. Created a tool for collecting metrics and pushing and guiding teams to optimize website performance using budget definitions and performance calculators.

SKILLS

Interpersonal Skills:

People Management, Leadership, Creativity and Innovation, Active Listening, Knowledge Management, Coaching, Hiring, Conflict Resolution

Frontend Programming:

Javascript, HTML, CSS

Backend Programming:

NodeJS, and also familiar with Python and 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, Vitest, Playwright, Cypress, Jest, Enzyme

Web Tooling:

Vite, TurboRepo, Webpack, 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:

Large Scale Systems, Strategic Planning, System Architecture, Design Patterns, Productivity Improvement, Project Management, Micro Frontend Architecture, System Design,

Shopee Translation Management: 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.

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

Snapp Corporate Web Application

Snapp UI-KIT: Designed a UI Kit to improve consistency and streamline front-end development.

Business Dashboards: Developed various dashboards for monitoring and managing business operations.

Farakav, Tehran — Frontend Developer

September 2017 – May 2018

At Farakav (Varzesh3), the most popular web-based media platform in the Persian-speaking world, my primary contributions included:

Anten.ir: Developed a sports live-streaming service from scratch, providing users with real-time access to sporting events.

HR Monitoring Panel: Created HR monitoring panel for personnel management.

The University of Tehran, Tehran — Teacher Assistant

September 2013 – September 2015

Assisted with courses in Graph Theory, Differential Equations, Prolog Programming, Mathematical Logic, and Algorithms and Data Structures, supporting students through review sessions and feedback on assignments.

Performance Optimization, Functional Programming, Accessibility, Chrome Extension Development, VSCode Extension Development, TDD

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 of the 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. in Computer Science

September 2012 – July 2017

LANGUAGES

English, Persian, French (Intermediate)

EXTRA ACTIVITIES

Interests and hobbies include: Coffee Enthusiast, Swimming, Photography, Reading books on Self-Improvement, Investment, Clinical Psychotherapy, History, and Design