

Daniel Zahmatkesh

Tehran, Iran contact@zahmatkesh.com zahmatkesh.com LinkedIn GitHub



CORE TECHNOLOGIES & SKILLS

Languages: JavaScript, TypeScript

Frameworks & Libraries: React, Next.js

State Management: Zustand, Jotai, SWR, React Query

GIS & Visualizations: Mapbox, Deck.gl, QGIS, Turf.js

PROFESSIONAL EXPERIENCE

Map.ir (Shiveh Narmafzar Gostar Asia)

November 2022 – March 2026

Lead Front-End Developer (Promoted from Front-End Developer) | Tehran, Iran

- National Postal Infrastructure (B2G):** Assumed full ownership of the National Post Company's public portal (Sina) and internal platform (GNAF). Maintained the architecture and delivered new features while mentoring a team member to take over the project.
- Web GIS Platform:** Architected the front-end for a spatial data platform, engineering dynamic dataset filtering, vector and raster tile integration, and a Zustand-powered client-side PDF export engine.
- Offline-First PWA:** Architected an offline-first PWA using IndexedDB to cache gigabytes of vector data, allowing nationwide surveyors to seamlessly sync geographic edits in zero-connectivity environments.
- Cross-Platform Architecture:** Designed a hybrid architecture embedding a React web app inside QGIS via Qt WebView, achieving two-way, real-time geometry synchronization using QWebChannel.
- Web CAD-to-GIS Pipeline:** Engineered a browser-based DXF-to-GeoJSON pipeline utilizing a WASM port of GDAL, featuring a custom Deck.gl georeferencing tool to align floor plans with land parcels.
- Team Leadership & Cross-Functional Impact:** Mentored 3 junior developers and consistently bridged communication gaps between teams, actively stepping into backend workflows to resolve bottlenecks and unblock feature delivery.

Freelance Web Developer

2020 – 2022

Front-End Developer & Digital Specialist | Tehran, Iran

- Honar-e Ashpazi:** Developed a Next.js frontend integrated with a headless WordPress CMS, leveraging Incremental Static Regeneration (ISR) to optimize page load speeds and SEO performance.
- PlusBourse:** Managed digital web infrastructure, designing custom UI elements in Figma and executing content updates to replace an external marketing agency.

Safir English Language Academy

2019

English Teacher | Tehran, Iran

- Instructed diverse student groups.

SELECTED PROJECTS

@zzdandanz/deckgl-draw GitHub

2026

React, Deck.gl, TypeScript

- Engineered a lightweight, plug-and-play drawing library for Deck.gl to enable drawing and editing of geometries.

UNESCO World Heritage Sites of Iran Live Demo GitHub

2026

React 19, MapLibre GL JS, PMTiles, Zustand

- Built an interactive web mapping application to visualize Iranian heritage sites using MapLibre GL JS.

EDUCATION

Full Stack Web Development Certification

2020-2021

University of Helsinki

High School Diploma

2018

Tbilisi, Georgia