



HADISEH SHIROUDI  
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 portfolio

## SUMMARY

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Frontend developer with a strong foundation in building real-time, AI-powered web applications—from clean architecture and UI/UX design to performance optimization and test automation. Skilled in visualizing complex interactions, improving usability, and ensuring maintainable code. Experienced working in both agile startups and large-scale teams, adapting quickly to varied workflows. Strong in project planning, backend collaboration, and contributing to team success through clear communication and code reviews.

## EXPERIENCE

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### FRONTEND DEVELOPER

2024.08 - Now

FREELANCE

- Designed and developed responsive, user-friendly interfaces using React, TypeScript, Tailwind CSS, and React Query, improving navigation flow and engagement across learning and mentoring modules.
- Built scalable API integration layers with robust error handling, caching, and loading states, collaborating with backend teams to optimize data structures and improve performance.
- Implemented automated test suites using React Testing Library and selenium, increasing test coverage, reducing frontend bugs by 45%, and improving overall deployment reliability.

### FRONTEND DEVELOPER

2023.06 - 2024.08 / Tokyo, Japan

KOTOZNA

- Developed and optimized multilingual AI chatbot features at a fast-paced startup using TypeScript, Vue.js, Tailwind CSS, and Material UI, enhancing performance and delivering a smoother, more engaging user experience across global markets.
- Built and maintained scalable, data-driven Selenium test suites, improving automation reliability and reducing manual QA workload by 60%.
- Redesigned test architecture to support modular components and robust cross-language validation, increasing test coverage by 40% and accelerating deployment cycles.

### SOFTWARE ENGINEER

2022.04 - 2023.06 / Tokyo, Japan

RAKUTEN

- Contributed as the first frontend designer and developer on the RIC platform, creating UI mockups in Figma and Sketch aligned with complex telco operator workflows.
- Developed scalable, component-based frontend architecture using React, TypeScript, Tailwind CSS, Material UI, and React Query for real-time, API-driven interactions.
- Introduced reusable design patterns and integration flows that streamlined future development and reduced onboarding time for new engineers by 40%.

### CODING TEACHER, DEVELOPER

2020.04 - 2022.03 / Kyoto, Japan

KYOTO LESSON

- Mentored junior students in web development fundamentals, offering code reviews and guidance in HTML, CSS, JavaScript and Git to build their confidence and technical skills.
- Co-led biannual coding camps focused on real-world projects and foundational problem-solving, while contributing to curriculum improvements that enhanced student engagement and outcomes.

## EDUCATION

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PHD, APPLIED MATHEMATICS, OPERATION RESEARCH

2016.09 - 2019.11

ZAD UNIVERSITY IRAN, SCIENCE AND RESEARCH BRANCH

- Working on applying advanced DEA methodologies for ranking insights from data mining and evaluating efficiency in complex multi-objective optimization problems.

**MSc, APPLIED MATHEMATICS, OPERATION RESEARCH**

2011.09 - 2014.02

AZAD UNIVERSITY IRAN, SCIENCE AND RESEARCH BRANCH

**MSc, APPLIED MATHEMATICS**

2005.09 - 2010.07

AZAD UNIVERSITY IRAN

## SKILLS

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<b>PROGRAMMING LANGUAGES &amp; WEB TECHNOLOGIES</b>	<b>Experienced:</b> JavaScript   TypeScript   HTML   CSS   SASS   <b>Familiar:</b> Python
<b>PROJECT MANAGEMENT &amp; VERSION CONTROL</b>	Git   GitHub   Bitbucket   CLI   Jira   Confluence   Code Review   Notion
<b>FRAMEWORKS &amp; LIBRARIES</b>	React   Next.js   Redux   React Query   Vue.js   Angular   Tailwind CSS
<b>TOOLS &amp; SOFTWARE</b>	Selenium   Figma   Adobe XD   Slack   VS Code   Docker
<b>LANGUAGES</b>	<b>Fluent:</b> English, Japanese <b>Native:</b> Persian <b>Beginner:</b> Korean

## COURSES & CERTIFICATIONS

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<b>JavaScript Code Challenges - LinkedIn</b>	Completed, Nov 2021
Focused on JavaScript Fundamentals, Data Structures, DOM Manipulation, Asynchronous JavaScript, ES6+ classes and Clean Code & Architecture Principles.	
<b>Build Responsive Real-World Websites with HTML and CSS - Udemy</b>	Completed, Nov 2021
Learn modern HTML5, CSS3 and web design by building a stunning website for your portfolio! Includes flexbox and CSS Grid.	
<b>The Complete JavaScript Course - Udemy</b>	Completed, Mar 2020
Learn modern HTML5, CSS3 and web design by building a stunning website for your portfolio! Includes flexbox and CSS Grid.	
<b>Angular - The Complete Guide - Udemy</b>	Completed, Aug 2022
Learn modern Focused on hooks, performance tuning, and scalable UI design and Redux	
<b>React Components and JSX - Udemy</b>	Completed, Jan 2022
Focused on hooks, performance tuning, and scalable UI design	
<b>Complete Web &amp; Mobile Designer: UI/UX, Figma, +more</b>	In Progress
Become a UX/UI Designer! Master Mobile and Web Design, User Interface + User Experience (UI/UX Design), HTML, and CSS.	
<b>React &amp; TypeScript - The Practical Guide</b>	In Progress
Build type-safe React apps and use TypeScript to enhance your components, state management, Redux and side effects code.	
<b>REST API Design, Development &amp; Management</b>	In Progress
REST API Concepts, Design best practices, Security practices, Swagger 2.0/OAI, Hands on API Management.	

## VOLUNTEER ACTIVITIES

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Designed and prototyped the UI/UX of a landing page and admin panel using Figma, enhancing user experience and usability (Golestan charity Foundation, 2021/12 - 2022/10)