Pedram Mirshah

Senior Front-End Engineer · React, Next.js, TypeScript

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SUMMARY

Front-End Engineer with **7+ years** of experience building production web applications, including **4+ years at Nobitex**, Iran's largest cryptocurrency exchange (**10M+ users**). Specialized in **React, Next.js and TypeScript**, with hands-on experience in payment flows, investment products, PWA and Web3 (wagmi, Ethers.js). Promoted to lead the front end of Nobitex Labs, owning architecture and standards for Web3 MVPs. I take features from design to production, including migration, testing, documentation and code review.

WORK EXPERIENCE

Nobitex — Iran's largest cryptocurrency exchange (10M+ users) — Tehran, Iran

Front-End Engineer · Payments & Investment (Nobify) squads — Sep 2024 – Present

- Migrated core user-facing modules from **Nuxt (Vue) to Next.js (React)** in a monorepo — deposits, identity verification (KYC), wallets, and trade/transaction history — and own their maintenance, documentation and tests.
- Rebuilt the end-to-end **deposit & withdrawal flows** and designed a **Deposit Hub** that made fiat deposit options clearer to users, contributing to a **~10% increase in deposits**.
- Part of the **incident response** after a major security breach in 2025: helped restore the client step by step, re-enabling features one at a time so users could regain access to their assets, and later shipped critical releases under crisis conditions to keep deposits, withdrawals and trade history available.
- Develop and maintain **Nobify** investment products: Investment Boxes, **Earn** and **Auto-Earn** (staking & yield farming), and their landing pages.
- Set up the platform's **Next.js PWA** end-to-end: web manifest, installability, and auth-aware routing and redirects.
- Integrated real-time market data over **WebSocket**, aligned **TradingView** charts with backend data, and reduced unnecessary re-renders by restructuring API data flow (**Zustand, React Query**).
- Built bilingual **RTL/LTR** interfaces with **i18next**, contributed reusable components to the company design system (**Storybook**), and write unit and E2E tests with **Vitest** and **Playwright**.
- Review teammates' code and help new engineers ramp up quickly on the codebase and team conventions.

Front-End Lead · Nobitex Labs (promoted from Front-End Developer) — Sep 2023 – Sep 2024

- Owned all front-end products and the codebase of Nobitex Labs, a startup-style R&D unit building **Web3 MVPs**.
- Defined front-end standards, architecture and library choices for new MVPs, and decided on changes to development flows.
- Integrated wallets and smart contracts across **Ethereum, Polygon and Arbitrum** using **wagmi, RainbowKit, Ethers.js** and MetaMask APIs.
- Built a Git-based **Markdown publishing pipeline** from scratch: pushing a .md file with defined metadata triggered an automatic build and deployed it as a static React page to **GitHub Pages**.

Front-End Developer · Nobidex & Nobigift — Feb 2022 – Sep 2023

- Built **Nobigift** from scratch as the sole front-end developer (Nuxt): QR-code gift cards that credit the recipient's Nobitex wallet when scanned.
- Developed the front end of **Nobidex**, the company's decentralized exchange, with React, Redux/Redux-Saga, Ant Design and styled-components, including wallet connection and on-chain interactions.
- Created the Nobidex developer documentation with **Docusaurus**.

Hami System · Front-End Developer — Aug 2021 – Feb 2022 · Tehran

- Took over development and maintenance of **SEMAT**, the official reference platform of Iran's Securities and Exchange Organization, previously handled by a larger front-end team (Nuxt/Vue, plus two Quasar-based admin panels).
- Identified and fixed a security flaw where authentication tokens and user data persisted in **localStorage** after logout, exposing them on shared machines.
- Designed and implemented **concurrent-session management** for corporate accounts over **WebSocket**: users were notified of new logins, could see the session's IP, and could terminate it.
- Improved camera capture reliability in the **Judiciary identity-verification** web app (React), so user actions and video recordings were no longer dropped.

Makeen Academy · Front-End Mentor (part-time) — May 2021 – Nov 2021 · Tehran

- Mentored 10 bootcamp students in front-end development; all 10 went on to land developer roles.

Sooran · Front-End Developer — Feb 2020 – Mar 2021 · Tehran

- Single-handedly built the front ends of the **Mustafa Prize** website and **Parsian Exchange** with JavaScript, jQuery and Angular on an ASP.NET (Razor) backend.

Football Bartar · Front-End Developer — Feb 2019 – Feb 2020 · Tehran

- Built marketing landing pages (Rakhtkan, Shootbalista) with HTML, CSS and jQuery.

Earlier: Game Development Intern, Makeen (2015 – 2018) — Unity, C#, Maya.

PROJECTS

Dudefinder · Full-stack dating app — github.com/itsspedram/Dudefinder

- Next.js 15, Prisma + PostgreSQL, NextAuth, and a **Socket.IO** server for real-time chat with typing indicators, organized as a **Turborepo** monorepo. Built with an AI-assisted workflow.

Writing · Technical blog — dev.to/itspedram

- 8 articles on React 19, Next.js, Prisma, authentication, and building a WebSocket server in pure Node.js.

SKILLS

Languages & Frameworks: TypeScript, JavaScript, React, Next.js, Vue.js, Nuxt, Node.js, HTML, CSS/SASS, Tailwind CSS

State & Data: Zustand, React Query, Redux / Redux-Saga, REST APIs, WebSocket

Practices: Accessibility (a11y), Web Performance (Core Web Vitals), Agile / Scrum, Code Review, Technical Documentation

Web3: wagmi, Ethers.js, RainbowKit, MetaMask SDK — Ethereum, Polygon, Arbitrum

Testing & Tooling: Vitest, Playwright, Storybook, Git, GitHub Actions (CI/CD), Monorepos, PWA, i18next

AI-Assisted Development: Claude Code, Cursor, Codex, MCP integrations (e.g. Figma)

Design: Figma

EDUCATION

B.Sc. Computer Engineering — Islamic Azad University, South Tehran Branch — Oct 2015 – Jun 2022 · Tehran

LANGUAGES

English: C1 (TOEFL iBT 100) | **Persian:** Native