# Emad Zeraatzadeh | Frontend Developer (React.js | Next.js)

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## - SUMMARY

Experienced React.js / Next.js Developer with over 3 years of expertise in building high-quality, fast, and efficient web applications. Skilled in creating responsive, user-friendly interfaces using modern frontend technologies and industry best practices. A strong collaborator with a proven ability to work effectively in cross-functional teams, delivering solutions that align with business and client requirements.

## - SKILLS

**Tools:** **React.js, Next.js (SSR, CSR, SSG, ISR),** JavaScript (ES6+), **TypeScript,** Axios, Tailwind, Material-UI, Sass, Bootstrap, Zustand, Redux Toolkit (RTK), React Query, SWR, Recharts, PWA, Docker, Git, HTML, CSS.
**Testing:** React Testing Library (RTL), Vitest.
**Technical Skills:** Authentication & Authorization, Access & Refresh Token Management, RESTful API Integration, Performance Optimization, Responsive Web Design, Data Visualization, Design Systems, CI/CD, Debugging.
**AI:** Prompt Engineering, Context Engineering, AI-Assisted Software Development, Claude Code, OpenAI Codex

## - WORK EXPERIENCE

### React.js/Next.js Developer

Arman Sarmayeh Hamrah | Tehran | 11/2023---04/2026 (2 years and 5 month) | Full Time
https://my.portfoyar.com **Tech:** React.js, JavaScript, Material-UI, MUI Data Grid, Zod, SWR, Zustand, Recharts, PWA.
https://armancrowd.com **Tech:** Next.js, SSR, CSR, TypeScript, Tailwind, Zod, Zustand.

- Developed and optimized front-end features in a production environment for a capital market analysis platform.
- Implemented features for financial data visualization, user authentication, subscription management, and dashboards.
- Improved the user experience and front-end performance in complex financial data visualization scenarios.

# - PROJECTS AND CHALLENGES

## My portfolio — Personal website & dashboard

- **Link:** https://emadz.dev
- **Tech:** Next.js, TypeScript, Tailwind, Zod, Zustand, Supabase.
- **Description:** Designed and developed a dynamic personal portfolio and online resume with an authenticated dashboard for managing portfolio content.
- **Challenges & Solutions:**
    - **Backend Architecture:** The project required a backend solution for managing dynamic portfolio content and media without maintaining a separate backend application. I integrated Supabase as the database and storage layer, allowing the portfolio data to be managed dynamically through the dashboard.
    - **Authentication & Authorization:** I implemented authentication and authorization with Supabase and configured Row Level Security (RLS) policies to restrict write operations to authenticated users while allowing appropriate public access to portfolio content.
    - **Performance Optimization:** Optimized the application using Next.js server-side rendering, server-side data fetching, appropriate Server/Client Component separation, and optimized asset delivery to maintain fast page loads and responsive interactions.

## Portfoyar — Stock market portfolio

- **Link:** https://my.portfoyar.com
- **Tech:** React.js, JavaScript, Material-UI, MUI Data Grid, Zod, SWR, Zustand, Recharts, PWA.
- **Description:** Developed and maintained a stock market analysis platform for the Iranian market, providing users with financial data, stock analysis, market insights, interactive charts, portfolio information, and personalized user accounts. The platform also includes authentication, subscription-based premium features, and a Progressive Web App (PWA) experience.
- **Challenges & Solutions:**
    - **Rapid Adoption of Material-UI:** The project required the rapid development of a complex frontend application using Material-UI within a short timeframe. Quickly learned and adopted the Material-UI component system to deliver production-ready features within approximately one week.
    - **Component Customization & Data Visualization:** The application required highly customized data tables and interactive financial charts. Customized Material-UI Data Grid and Recharts components to meet the application's specific UI, data presentation, and user experience requirements.
    - **Authentication & Token Management:** Implementing secure user registration and login required handling access and refresh tokens throughout the application.
    - **Subscription Management:** Implemented frontend workflows for purchasing subscriptions and unlocking premium features based on the user's subscription status, integrating with the platform's authentication and payment APIs.

### ArmanCrowd — Crowdfunding platform

- **Link:** https://armancrowd.com
- **Tech:** Next.js, SSR, CSR, TypeScript, Tailwind, Zod, Zustand.
- **Description:** Developed and maintained a crowdfunding platform that allows users to explore investment opportunities, access project information, and interact with investment-related features.
- **Challenges & Solutions:**
    - **Secure Sensitive Data Handling:** Some operations required sensitive data and privileged backend communication that should not be handled directly by the browser. Implemented Next.js Route Handlers and reusable server-side functions as a controlled server-side layer between the client and backend API.
    - **Authentication & Authorization:** The platform required different access levels and user-specific functionality, including determining whether a user had a verified SEJAM identity and restricting certain features, such as commenting, to authenticated users. Implemented authentication and authorization flows to manage user access based on authentication and verification status.
    - **Access & Refresh Token Management:** Authenticated API requests required reliable token lifecycle management. Implemented token validation and refresh logic in Next.js Middleware, automatically handling expired access tokens through refresh tokens and maintaining authenticated user sessions.

## - LANGUAGE

English: professional

## - EDUCATION

Bachelor's degree in English Translation | Karaj Branch of Azad University | GPA: 3.6/4 | 02/2020 – 02/2024

Daneshkar Bootcamp | Frontend (React.js/Next.js) | Certificate awarded | 03/2023 – 08/2024